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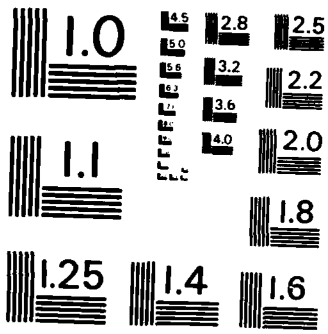

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PLAUSIBILITY FUNCTIONS OF IOWA VOCABULARY TEST ITEMS ESTIMATED BY THE SIMPLE SUM PROCEDURE OF THE CONDITIONAL P.D.F. APPROACH

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Simple Sum Procedure of the Conditional P.D.F. Approach was applied for estimating the plausibility functions of the distractors of the Iowa Vocabulary Test items. In so doing, the normal ogive model was adopted for the correct answers of those items, and those items were used as the substitute for the Old Test. The group of subjects consists of 2,364 students who took the Level 11 tests in 1971 through 1977. The results indicate the existence of informative distractors for certain test items. The model validation study accompanied to it indicates that for most items the normal ogive model is suitable. Keywords: Tables (data); Charts; parameter estimation; latent trait theory.

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PLAUSIBILITY FUNCTIONS OF IOWA VOCABULARY TEST ITEMS ESTIMATED BY THE SIMPLE SUM PROCEDURE OF THE CONDITIONAL P.D.F. APPROACH

ABSTRACT

Simple Sum Procedure of the Conditional P.D.F. Approach combined with the Normal Approach Method was applied for estimating the plausibility functions of the distractors of the Level 11 Vocabulary Subtest items of the Iowa Tests of Basic Skills. In so doing, the normal ogive model was adopted for the correct answers of those items, and those items were used as the substitute for the Old Test. The group of subjects consists of 2,364 students who took the Level 11 tests in 1971 through 1977. The results indicate the existence of informative distractors for certain test items, and it is confirmed that most items belong to the Informative Distractor Model rather than the Equivalent Distractor Model. The model validation study accompanied to it indicates that for most items the normal ogive model is suitable for their correct answers.

The research was conducted at the principal investigator's laboratory, 405 Austin Peay Hall, Department of Psychology, University of Tennessee, Knoxville, Tennessee. Those who worked for her as assistants include Paul S. Changas, Vicki R. Newton, Mehrdad A. Saravi, Deborah Wichlan and Cindy Wheatley-Lovoy.

I. Introduction

Three-parameter logistic model (Birnbaum, 1968) has been popular among researchers who deal with multiple-choice test items. The model is based upon the knowledge or random guessing principle, which assumes that the examinee either knows the answer or guesses randomly. In that model, each item is scored either right or wrong, depending upon whether the examinee has chosen the correct answer or one of the incorrect alternative answers. It should be noted that following the three-parameter model each incorrect alternative answer is treated as equivalent to each other, and it is implicitly assumed that, owing to the subjects' random guessing behavior, those distractors have identical operating characteristics. We will not lose any information, therefore, even if we recategorize all the incorrect alternative answers into a single category, and assign zero as the item score to those who have chosen any one of the distractors. Such a family of models belongs to the Equivalent Distractor Model.

Samejima has proposed a new family of models for the multiple-choice test item (Samejima, RR-79-4), which assumes that the examinee chooses one of the distractors for his answer more or less intentionally, and, therefore, each incorrect alternative answer, as well as the correct answer, provides us with its unique information. In those models, the examinee's random guessing behavior is still taken into consideration, but only as the last resource when he has no idea as to which alternative is more plausible as the answer to the question. The plausibility function of each distractor, which is the

conditional probability assigned to the choice of that particular distractor, given ability, is the information source. If a model in the family fits our multiple-choice test data, then we shall be able to estimate the examinee's ability more accurately, using information obtained from the distractors as well as from the correct answers. Thus the multiple-choice test item is no longer a "blurred image" of the free-response test item, but it has a unique status as a test item which provides us with information that the free-response test item is not able to. Such a family of models belongs to the Informative Distractor Model.

It will be worthwhile to estimate the plausibility functions of the distractors of existing test items, to find out if, indeed, each distractor provides us with its unique information. In so doing we need some nonparametric method of estimating the operating characteristics, for we have no idea what type of mathematical function each plausibility function follows. Molding it into some parametric form from the very beginning will be harmful, therefore, more than helpful.

In the present study, a subset of the data collected on the Iowa Tests of Basic Skills was used as "existing data". It is based upon the Vocabulary Test items for Level 11. The whole set of data was obtained with the courtesy of Professor William Coffman of the University of Iowa, and was introduced in a previous research project (Samejima and Trestman, RR-80-1). For brevity, hereafter, we shall call the whole set Iowa Test Data. Its brief description will be

given in Section 2.

In estimating the plausibility function of each distractor of each test item, Simple Sum Procedure of the Conditional P.D.F. Approach combined with the Normal Approach Method was used (cf. Samejima, Final Report, 1981). A brief description of the Simple Sum Procedure of the Conditional P.D.F. Approach and the Normal Approach Method will be given in Section 3, in comparison with other methods and approaches developed by the author.

II. Iowa Test Data

Iowa Test Data are based upon the Iowa Tests of Basic Skills, Form 6, Levels 9-14 (Hieronymus and Lindquist, 1971). These tests have been designed, constructed and revised at the College of Education of the University of Iowa since 1935, with the general school population in mind. Each of the level numbers, 9 through 14, corresponds to the age of subjects who are suitable for the subset of test items that specific level contains. Thus the tests are designed basically for the fourth through ninth graders.

There are eleven tests in the battery, each of which focuses upon a different basic skill. The numbers of test items in the eleven separate tests vary within the range of 74 through 178, including all the six levels. Table 2-1 presents these eleven tests, the numbers of test items and some other information related to their administration.

The data were collected in three different school systems in

TABLE 2-1

Iowa Tests of Basic Skills, Form 6, Numbers of Items, Administration Sessions and Time Limits.

Test	Number of Items	Administration Session	Working Time (Minutes)
V: Vocabulary R: Reading Comprehension	114 178	First Session 85 Minutes	17 55
L-1: Spelling L-2: Capitalization L-3: Punctuation L-4: Usage	114 102 102 86	Second Session 80 Minutes	12 15 20 20
W-1: Map Reading W-2: Reading Graphs and Tables W-3: Knowledge and Use of Reference Materials	89 74 141	Third Session 85 Minutes	30 20 30
M-1: Mathematics Concepts M-2: Mathematics Problem Solving	136 96	Fourth Session 65 Minutes	30 30

TABLE 2-2

Number of Items in Each of the Three Subtests of Each of the Eleven Tests and in Total for Each of the Three Levels, 11, 12 and 13.

Test / Level	V	R	L1	L2	L3	L4	W1	W2	W3	M1	M2	Total
11	43	74	43	40	40	32	36	26	56	42	29	461
12	46	76	46	42	42	32	40	28	59	45	31	487
13	48	78	48	43	43	32	41	28	59	48	32	500
Total	82	133	82	73	73	53	67	48	99	90	61	861

the State of Iowa, in the years 1971 through 1977, using the subtests of Levels 11, 12 and 13. Table 2-2 presents the number of test items contained by each of the three levels, for each of the eleven tests. Since there are overlapping test items between two, or even three, adjacent levels, the total number of items in each test is less than the sum of the numbers of items in the three separate subtests.

In the original data, there are 2,460 examinees who took the subtests of Level 11, 2,452 who took those of Level 12, and 2,527 who took those of Level 13, to make the total number of examinees 7,439. With close examination of those original data, however, certain examinees who omitted too many test items were excluded, and the resulting "revised data" are based upon 7,246 examinees in total, with 2,364, 2,413 and 2,469 for those who took the three separate levels of subtests, respectively (cf. Samejima and Trestman, RR-80-1).

In the present study, the results of the 2,364 examinees on the Level 11 Vocabulary Subtest were analyzed. The choice of Level 11 was more or less arbitrary, but the Vocabulary Subtest was selected more intentionally, due to the factor analysis result which will be introduced in Section 5. This subtest has forty-three test items, each of which has four alternative answers, i.e., one correct answer plus three distractors.

III. Simple Sum Procedure of the Conditional P.D.F. Approach and Normal Approach Method

Samejima's methods and approaches of estimating the operating characteristics of discrete item responses were introduced in previous

research reports (Samejima, RR-77-1, RR-78-1, RR-78-2, RR-78-3, RR-78-4, RR-78-5, RR-78-6), and were summarized later (Samejima, Final Report, 1981). They are characterized by two features, i.e., 1) estimation is made without assuming any mathematical forms for the operating characteristics of discrete item responses, and 2) estimation is efficient enough to base itself upon a relatively small set of data of, say, several hundred to a few thousand examinees.

There are two main approaches, one of which is called Bivariate P.D.F. Approach, and the other is called Conditional P.D.F. Approach. In the former approach, we approximate the bivariate distribution of the transformed latent trait τ and its maximum likelihood estimate $\hat{\tau}$, for each of the subgroups of examinees who share the same discrete item response to a specified item. Thus the procedure must be repeated as many times as the number of discrete item response categories for each item. In contrast to this, in the Conditional P.D.F. Approach, this is done for the total group of subjects. Effort is focused upon the approximation of the conditional distribution of τ, given $\hat{\tau}$, for the total group of examinees, and then the result is branched into separate discrete item response subgroups for each item. This latter approach is further categorized into three procedures, i.e., Simple Sum Procedure, Weighted Sum Procedure and Proportioned Sum Procedure. In each approach, there are three methods of approximating the conditional distribution of τ, given $\hat{\tau}$, and they are called Pearson System Method, Two-Parameter

Beta Method and Normal Approach Method, respectively.

It is appropriate to say that, theoretically, Bivariate P.D.F. Approach is a more orthodox approach, and Conditional P.D.F. Approach is a simplified version of the former. The latter approach has two big advantages, however, in the sense that the CPU time required is substantially less, and that it does not have to deal with subgroups of small numbers of subjects in approximating the joint bivariate distributions of τ and $\hat{\tau}$. It is also appropriate to say that both Two-Parameter Beta Method and Normal Approach Method are simpler versions of Pearson System Method; and yet the latter two methods have an advantage of using only the first two estimated conditional moments of τ , given $\hat{\tau}$, whereas the former requires the additional third and fourth conditional moments, whose estimations are less accurate compared with those of the first two conditional moments.

Our past experience with simulated data indicates that in many cases even by using the combination of relatively simplified approach and method we can estimate the operating characteristics fairly accurately. For this reason and because of the advantages described in the preceding paragraph, our choice of approach and method in the present study is the combination of the Simple Sum Procedure of the Conditional P.D.F. Approach and the Normal Approach Method.

Let θ be ability, or latent trait, which assumes any real number, and k_g be any discrete response category to item g . We assume that there is a set of test items measuring θ whose characteristics are known. This set of test items is called Old Test.

Let $I(\theta)$ denote the test information function of the Old Test of n such items. The transformation of θ to τ is made by

$$(3.1) \qquad \tau = C_1^{-1} \int_{-\infty}^{\theta} [I(t)]^{1/2} dt + C_0 \ ,$$

where C_0 is an arbitrary constant for adjusting the origin of τ , and C_1 is an arbitrary constant which equals the square root of the test information function, $I^*(\tau)$, of τ , so that we can write

$$(3.2) \qquad C_1 = [I^*(\tau)]^{1/2}$$

for all τ . This transformation will be simplified if we use a polynomial approximation to the square root of the test information function, $I(\theta)$, which is accomplished by using the method of moments. Thus (3.1) can be changed to the form

$$(3.3) \qquad \tau \doteq C_1^{-1} \sum_{k=0}^{m} \alpha_k (k+1)^{-1} \theta^{k+1} + C_0$$

$$= \sum_{k=0}^{m+1} \alpha_k^* \theta^k \ ,$$

where α_k $(=0,1,...,m)$ is the k-th coefficient of the polynomial of degree m approximating the square root of $I(\theta)$, and α_k^* is the new k-th coefficient which is given by

$$(3.4) \qquad \alpha_k^* \begin{cases} = C_0 & k = 0 \\ = (C_1 k)^{-1} \alpha_{k-1} & k = 1,2,\ldots,m+1 \,. \end{cases}$$

The first through fourth conditional moments of τ, given $\hat{\tau}_s$, can be obtained from the density function, $g^*(\hat{\tau})$, of $\hat{\tau}$ and the constant C_1 by the following four formulae.

$$(3.5) \qquad E(\tau|\hat{\tau}_s) = \hat{\tau}_s + C_1^{-2}\frac{d}{d\hat{\tau}_s} \log g^*(\hat{\tau}_s) \,.$$

$$(3.6) \qquad Var.(\tau|\hat{\tau}_s) = C_1^{-2}[1 + C_1^{-2}\frac{d^2}{d\hat{\tau}_s^{\,2}} \log g^*(\hat{\tau}_s)] \,.$$

$$(3.7) \qquad E[\{\tau - E(\tau|\hat{\tau}_s)\}^3|\hat{\tau}_s] = C_1^{-6}[\frac{d^3}{d\hat{\tau}_s^{\,3}} \log g^*(\hat{\tau}_s)] \,.$$

$$(3.8) \qquad E[\{\tau - E(\tau|\hat{\tau}_s)\}^4|\hat{\tau}_s] = C_1^{-4}[3 + 6C_1^{-2}\{\frac{d^2}{d\hat{\tau}_s^{\,2}} \log g^*(\hat{\tau}_s) + 3C_1^{-4}\{\frac{d^2}{d\hat{\tau}_s^{\,2}} \log g^*(\hat{\tau}_s)\}^2 + C_1^{-4}\{\frac{d^4}{d\hat{\tau}_s^{\,4}} \log g^*(\hat{\tau}_s)\}] \,.$$

Note that in the above formulae the first moment is about the origin, while the other three are about the mean. The two coefficients, β_1 and β_2, and Pearson's criterion κ are obtained by

$$(3.9) \qquad \beta_1 = \mu_3^2 \mu_2^{-3}$$

$$(3.10) \qquad \beta_2 = \mu_4 \mu_2^{-2} \,,$$

and

$$(3.11) \qquad \kappa = \beta_1(\beta_2+3)^2[4(2\beta_2-3\beta_1-6)(4\beta_2-3\beta_1)]^{-1} \quad ,$$

by substituting μ_2 , μ_3 and μ_4 by $Var.(\tau|\hat{\tau}_s)$, $E[\{\tau-E(\tau|\hat{\tau}_s)\}^3|\hat{\tau}_s]$ and $E[\{\tau-E(\tau|\hat{\tau}_s)\}^4|\hat{\tau}_s]$, respectively, which are obtained by formulae (3.6), (3.7) and (3.8).

In the Simple Sum Procedure of the Conditional P.D.F. Approach, the operating characteristic, $P_{k_g}(\theta)$, of the discrete item response k_g of an "unknown" item g is estimated through the formula

$$(3.12) \qquad \hat{P}_{k_g}(\theta) = \hat{P}^*_{k_g}[\tau(\theta)] = \sum_{s\epsilon k_g} \phi(\tau|\hat{\tau}_s)[\sum_{s=1}^{N} \phi(\tau|\hat{\tau}_s)]^{-1} \quad ,$$

where s (=1,2,...,N) indicates an individual examinee, and $\phi(\tau|\hat{\tau}_s)$ denotes the conditional density of τ , given $\hat{\tau}_s$. This conditional density is estimated by using the estimated conditional moments of τ , given $\hat{\tau}_s$. In the Normal Approach Method, $\phi(\tau|\hat{\tau}_s)$ is approximated by the normal density function, using the first two estimated conditional moments of τ , given $\hat{\tau}_s$, which are given by (3.5) and (3.6), respectively, as its parameters.

IV. Old Test

In this study, we need some suitable substitute for the Old Test, since there is no set of test items measuring the same vocabulary ability whose characteristics are known. To handle this

situation, we use the Level 11 Vocabulary Subtest itself twice, i.e., first as the Old Test and later as the set of "unknown" test items.

On the first stage, each item is rescored as "right" or "wrong", i.e., dichotomously, and the normal ogive model on the dichotomous response level is assumed. We accept this model tentatively, and the item parameter estimation is made for each of the forty-three test items. On the second stage, these forty-three test items are treated as they are, i.e., as multiple-choice test items with polychotomous item responses. The "unknown" operating characteristic is to be estimated, therefore, for each of the four alternative answers of each item. As the result, we will obtain the estimated plausibility functions of the distractors for each item. In addition to this, the estimated operating characteristic of the correct answer of each item is compared with the hypothesized normal ogive function as a part of the model validation process, which will be introduced in Section 8. If the model is validated, then we will accept the estimated operating characteristics of the incorrect alternative answers as the estimated plausibility functions of the distractors. If not, we will examine the invalidated test items, and either assume more suitable models for them or discard them, to produce a new Old Test and repeat the estimation process all over again.

The item characteristic function, $P_g(\theta)$, of item g in the normal ogive model is given by

(4.1) $$P_g(\theta) = (2\pi)^{-1/2} \int_{-\infty}^{a_g(\theta-b_g)} e^{-\frac{u^2}{2}} du ,$$

where a_g is the item discrimination parameter and b_g is the item difficulty parameter.

V. Item Parameter Estimation for the Old Test Items Following the Normal Ogive Model

It is assumed that the response tendencies of our 2,364 examinees behind the forty-three items of the Level 11 Vocabulary Subtest have a multinormal distribution as their joint distribution. If there exists a single common factor behind these forty-three response tendencies, then we shall be able to operationally define the factor as the vocabulary ability for the contents of this specific subtest. As the result of this assumption, the ability distribution for these 2,364 subjects will also be normal, and we shall define the origin and the unit of the ability scale as the mean and the standard deviation of this normal distribution.

The tetrachoric correlation coefficient is obtained for each pair of test items, using the program written by the author. The resulting inter-item correlation matrix is given as Table 5-1. Those tetrachoric correlation coefficients were adjusted for the unbiasedness, which means that each value is a little less in the absolute value than the straightforward sample correlation coefficient. The item numbers in this table, which range from 24 to 66 , are the same as those used in the actual Iowa Vocabulary Test. We can see in this table that all the correlation coefficients are

TABLE 5-1

Tetrachoric Inter-Item Correlation Matrix for the Forty-Three Old Test Items.

Item 24	1.0000000	0.1172895	0.0355945	0.0	0.1512896	0.1570123	0.1308286	0.0388065	0.0791268	0.0414982	0.1263537	0.0422507	0.1666906	0.1140842	0.0940295	0.0521627
	0.1118264	0.1123604	0.1354520	0.1008802	0.0	0.1097514	0.0769941	0.0969695	0.0841067	0.1012570	0.0	0.1164910	0.0974146	0.0	0.0948864	0.0957218
	0.1547318	0.0808601	0.0440173	0.1463099	0.1478593	0.0487050	0.1835701	0.1062381	0.1193218	0.1051888	0.1147743					
Item 25	0.1172895	1.0000000	0.3589825	0.2983024	0.4043010	0.4331321	0.4621344	0.4306780	0.4723870	0.2063613	0.3869971	0.2353001	0.3102316	0.2202375	0.3407813	0.1669041
	0.3581565	0.2982017	0.2967272	0.3560494	0.0879300	0.4215021	0.3204827	0.2911807	0.4040413	0.2524251	0.1738785	0.3745391	0.3586760	0.21609[illegible]	0.3460375	0.3511450
	0.3178028	0.2034523	0.2383717	0.2300913	0.3438944	0.2594044	0.3668423	0.3326808	0.3482097	0.2397097	0.3018852					
Item 26	0.0355945	0.3589825	1.0000000	0.3012569	0.2828172	0.3538478	0.3877187	0.3743591	0.3614268	0.2627316	0.2395093	0.2051280	0.2768288	0.1656163	0.3033748	0.1416636
	0.2914753	0.2106639	0.1340445	0.2787725	0.0294017	0.3180952	0.2492060	0.2953451	0.3866972	0.1694981	0.2608959	0.2697897	0.3359429	0.1941416	0.2615715	0.3018401
	0.2303956	0.1618953	0.1918052	0.1909955	0.2958089	0.2385659	0.3188826	0.2355658	0.2513617	0.2414441	0.2001185					
Item 27	0.0	0.2983024	0.3012569	1.0000000	0.2872279	0.3472835	0.3672472	0.3490089	0.3523675	0.2561964	0.2840921	0.2010145	0.3795376	0.1623291	0.2609838	0.1437644
	0.2076449	0.2907348	0.1909248	0.2992719	0.0419975	0.3642446	0.2693972	0.1483133	0.3462861	0.2209406	0.0936628	0.2733328	0.3150405	0.1787614	0.1911705	0.2530969
	0.1964741	0.1583477	0.2322044	0.1725914	0.2582905	0.1977642	0.3204204	0.2899752	0.2628030	0.2665346	0.2418728					
Item 28	0.1512896	0.4043010	0.2828172	0.2872279	1.0000000	0.3765965	0.3869810	0.3809277	0.4256291	0.2549831	0.3123369	0.2744033	0.2896129	0.1795844	0.2386805	0.1889279
	0.2941492	0.2223309	0.2384553	0.2799463	0.0435011	0.3769960	0.3039388	0.1824743	0.3389978	0.1970057	0.1163605	0.3029370	0.2965080	0.1686400	0.2959691	0.3270504
	0.2901977	0.1840936	0.1991724	0.2916188	0.2843454	0.1915701	0.3916838	0.3302134	0.2550166	0.2383689	0.2493849					
Item 29	0.1570123	0.4331321	0.3538478	0.3472835	0.3765965	1.0000000	0.4401058	0.4188257	0.4914476	0.2050717	0.3793164	0.3166385	0.4379924	0.2110311	0.4006749	0.2059265
	0.3117588	0.3228583	0.2857870	0.3862715	0.0250741	0.4168268	0.3190408	0.2922356	0.4113224	0.2085356	0.1815295	0.3774860	0.2757874	0.2465666	0.2840456	0.2745722
	0.3253116	0.2145590	0.2112995	0.2805754	0.3420221	0.2630230	0.4316805	0.3510854	0.3612836	0.3382834	0.3106628					
Item 30	0.1308286	0.4621344	0.3877187	0.3672472	0.3869810	0.4401058	1.0000000	0.5107167	0.4563088	0.2314577	0.3488467	0.2764880	0.3409578	0.2231665	0.3600930	0.2053178
	0.3498451	0.2440570	0.2643684	0.3474293	0.0589741	0.4569916	0.3496628	0.3736315	0.4276418	0.2814463	0.2611812	0.3482534	0.3648472	0.2884923	0.3058905	0.3898572
	0.3273282	0.2442756	0.2821245	0.3208684	0.3985187	0.3086860	0.4558250	0.3715844	0.4469891	0.3330652	0.3074893					
Item 31	0.0388065	0.4306780	0.3743591	0.3490089	0.3809277	0.4188257	0.5107167	1.0000000	0.4319209	0.2859124	0.3240136	0.3087924	0.3553232	0.2301161	0.3668591	0.1786546
	0.4654391	0.2532074	0.3262929	0.3321094	0.1105213	0.4537662	0.3380155	0.2909091	0.4888046	0.2319999	0.2272375	0.3867788	0.3858331	0.2833290	0.3633990	0.3696179
	0.3847518	0.2574999	0.2476018	0.2820422	0.3561259	0.2905576	0.4009839	0.3145185	0.4260510	0.3275992	0.3000724					
Item 32	0.0791268	0.4723870	0.3614268	0.3523675	0.4256291	0.4914476	0.4563088	0.4319209	1.0000000	0.3227525	0.3801177	0.3852987	0.4052198	0.2156547	0.3645686	0.2216352
	0.3291997	0.3595721	0.2674731	0.4286994	0.0	0.4908680	0.3345647	0.2619942	0.3902752	0.2528411	0.1889941	0.4251198	0.3216242	0.2241532	0.2996526	0.3538963
	0.3209836	0.1916677	0.1792548	0.2631146	0.3710800	0.2418741	0.4848578	0.3530134	0.4306055	0.3074806	0.3194075					
Item 33	0.0414982	0.2063613	0.2627316	0.2561964	0.2549831	0.2050717	0.2314577	0.2859124	0.3227525	1.0000000	0.2901961	0.1325260	0.2758186	0.1305700	0.1976514	0.1365902
	0.1728950	0.2198991	0.1860362	0.2306693	0.1112141	0.2720072	0.1616717	0.1796977	0.2146162	0.1985462	0.0843228	0.1580129	0.2365741	0.0622953	0.1877518	0.2510669
	0.1592304	0.1054485	0.0318161	0.1589384	0.1993886	0.1105742	0.3108866	0.1616884	0.2225023	0.1731465	0.2218246					
Item 34	0.1263537	0.3869971	0.2395093	0.2840921	0.3123369	0.3793164	0.3488467	0.3240136	0.3801177	0.2901961	1.0000000	0.1936837	0.3536839	0.1551747	0.2115260	0.1441173
	0.2257789	0.2784293	0.1787663	0.2982062	0.0807523	0.3326744	0.2404135	0.2023376	0.2872126	0.2011869	0.1685529	0.3059496	0.2599618	0.1542370	0.2498644	0.2783180
	0.1930904	0.1604320	0.1684636	0.1726849	0.2720736	0.2373930	0.3148485	0.2314695	0.3371662	0.2507920	0.2123570					
Item 35	0.0422507	0.2353001	0.2051280	0.2010145	0.2744033	0.3166385	0.2764880	0.3087924	0.3852987	0.1325260	0.1936837	1.0000000	0.2669045	0.1145293	0.1558645	0.1234629
	0.2961692	0.2967452	0.1353260	0.2646528	0.0870309	0.2962021	0.2367042	0.2320823	0.2915918	0.1608473	0.1757793	0.2947266	0.1490471	0.1233405	0.1744483	0.2207608
	0.1707014	0.1635056	0.1648603	0.2039005	0.2093262	0.1673184	0.2968507	0.2157425	0.2730431	0.1481825	0.2143735					
Item 36	0.1666906	0.3102316	0.2768288	0.3795376	0.2896129	0.4379924	0.3409578	0.3553232	0.4052198	0.2758186	0.3536839	0.2669045	1.0000000	0.1888266	0.2299038	0.2025431
	0.2434325	0.3087468	0.2140031	0.3400669	0.0325619	0.3809565	0.2379254	0.2683623	0.3360881	0.2218262	0.1470114	0.3145872	0.2835466	0.2452559	0.1884488	0.2640605
	0.2475240	0.1368962	0.2073274	0.2076498	0.2656740	0.1879780	0.3689912	0.2391557	0.2985572	0.2979951	0.2466872					
Item 37	0.1140842	0.2202375	0.1656163	0.1623291	0.1795844	0.2110311	0.2231665	0.2301161	0.2156547	0.1305700	0.1551747	0.1145293	0.1888266	1.0000000	0.2234328	0.1249567
	0.2128683	0.1344541	0.1608883	0.1809332	0.1183909	0.2251055	0.1814064	0.0881515	0.1923636	0.1474723	0.0887620	0.1816085	0.1788514	0.1095014	0.1628274	0.1562499
	0.1839930	0.1030289	0.0745582	0.1348752	0.1931034	0.2208328	0.1924882	0.1841699	0.1881883	0.1394995	[illegible]5532					

TABLE 5-1 (Continued)

Item 38	0.0940295	0.3407813	0.3033748	0.2609838	0.2386805	0.4006749	0.3600930	0.3668591	0.3645686	0.1976514	0.2115260	0.1558645	0.2299038	0.2234328	1.0000000	0.1429929
	0.3502894	0.2366863	0.2435099	0.3339757	0.1171880	0.3567438	0.3224105	0.2389997	0.3310460	0.2326127	0.2096250	0.3448594	0.3059342	0.2377261	0.2589078	0.2695881
	0.2815877	0.1639320	0.1669794	0.1911867	0.3145210	0.2498556	0.3736467	0.2994692	0.3844661	0.3015227	0.2794068					
Item 39	0.0521627	0.1669041	0.1416636	0.1437644	0.1889279	0.2059265	0.2053178	0.1786546	0.2216352	0.1365902	0.1441173	0.1234629	0.2025431	0.1249567	0.1429929	1.0000000
	0.2145775	0.1648121	0.1261244	0.1789445	0.0219309	0.1844969	0.1687748	0.1333147	0.2038011	0.1161188	0.0808029	0.1153775	0.1863360	0.1220191	0.1665660	0.1863103
	0.2072340	0.1639503	0.1881806	0.0977828	0.1662586	0.1599559	0.2086108	0.1486674	0.1929189	0.1541105	0.1383742					
Item 40	0.1118264	0.3581565	0.2914753	0.2076449	0.2941492	0.3117588	0.3498451	0.4654391	0.3291997	0.1728950	0.2257789	0.2961692	0.2431325	0.2128683	0.3502894	0.2145775
	1.0000000	0.2164878	0.2437367	0.2844857	0.1229118	0.3421580	0.2809291	0.2925382	0.4030980	0.1649464	0.1643657	0.2880116	0.2873516	0.2376347	[illegible]	0.3444749
	0.3478146	0.2433125	0.2513903	0.2602416	0.3309227	0.2558707	0.3061595	0.2507302	0.3536747	0.3168090	0.2835407					
Item 41	0.1123604	0.2982017	0.2106639	0.2907348	0.2223309	0.3228583	0.2440570	0.2532074	0.3595721	0.2198991	0.2784293	0.2967452	0.3087468	0.1344541	0.2366863	0.1648121
	0.2164878	1.0000000	0.1622584	0.2896827	0.0674642	0.2754188	0.2382596	0.1988081	0.2809126	0.2506363	0.1552910	0.2637284	0.2037097	0.1818456	0.1807275	0.2568724
	0.2041699	0.0500201	0.2027955	0.1675771	0.2465269	0.1800957	0.3819464	0.2526426	0.3195252	0.2182366	0.1911278					
Item 42	0.1354520	0.2967272	0.1340445	0.1909248	0.2384553	0.2857870	0.2643684	0.3262929	0.2674731	0.1860362	0.1787663	0.1353260	0.2140031	0.1608883	0.2435099	0.1261244
	0.2437367	0.1622584	1.0000000	0.2226257	0.1083053	0.2522519	0.1885282	0.1368172	0.2638839	0.0856423	0.0884337	0.2021883	0.2320591	0.0834655	0.1823223	0.1863967
	0.1765632	0.1308903	0.1224953	0.1888999	0.2642354	0.1909081	0.2606957	0.1898296	0.2779961	0.2104062	0.1705992					
Item 43	0.1008802	0.3560494	0.2787725	0.2992719	0.2799463	0.3862715	0.3474293	0.3321094	0.4286994	0.2306693	0.2982062	0.2646528	0.3400669	0.1809332	0.3339757	0.1789445
	0.2844857	0.2896827	0.2226257	1.0000000	0.0684555	0.3945056	0.3241829	0.2447605	0.3528562	0.2352535	0.2072157	0.3470572	0.2740467	0.2104777	0.2122179	0.3132954
	0.2482536	0.1337487	0.1335903	0.2353939	0.3208961	0.2033489	0.4161875	0.2823302	0.3514956	0.2016461	0.2476575					
Item 44	0.0	0.0879300	0.0294017	0.0419975	0.0435011	0.0250741	0.0589741	0.1105213	0.0	0.1112141	0.0807523	0.0870309	0.0325619	0.1183909	0.1171880	0.0219309
	0.1229118	0.0674642	0.1083053	0.0684555	1.0000000	0.0121173	0.1271342	0.0	0.1155627	0.0	0.0776421	0.1090536	0.0869740	0.0500838	0.1129652	0.1173692
	0.0945367	0.1417853	0.1032121	0.0620880	0.0379209	0.0729739	0.0408678	0.0830708	0.0497162	0.1269371	0.1205247					
Item 45	0.1097514	0.4215021	0.3180952	0.3642446	0.3769960	0.4168268	0.4569916	0.4537662	0.4908680	0.2720072	0.3326744	0.2962021	0.3809565	0.2251055	0.3567438	0.1844969
	0.3421580	0.2754188	0.2522519	0.3945056	0.0121173	1.0000000	0.3745517	0.2577132	0.4694223	0.2758561	0.2492294	0.3466231	0.3614307	0.2336399	0.2736517	0.4009559
	0.3485566	0.2142183	0.2246974	0.3010343	0.3369702	0.3262717	0.4496245	0.3116479	0.3664438	0.3228709	0.2886705					
Item 46	0.0769941	0.3204827	0.2492060	0.2693972	0.3039388	0.3190408	0.3496628	0.3380155	0.3345647	0.1616717	0.2404135	0.2367042	0.2379254	0.1814064	0.3224105	0.1687748
	0.2809291	0.2382596	0.1885282	0.3241829	0.1271342	0.3745517	1.0000000	0.2673540	0.3620821	0.2238830	0.1943663	0.2466980	0.2623428	0.1866713	0.2610922	0.3159820
	0.2650417	0.2130170	0.2281064	0.2071525	0.2599953	0.2220652	0.3689381	0.2740616	0.3184567	0.2342283	0.2603487					
Item 47	0.0969695	0.2911807	0.2953451	0.1483133	0.1824743	0.2922356	0.3736315	0.2909091	0.2619942	0.1796977	0.2023376	0.2320823	0.2683623	0.0881515	0.2389997	0.1333147
	0.2925382	0.1988081	0.1368172	0.2447605	0.0	0.2577132	0.2673540	1.0000000	0.2886007	0.2199659	0.1883901	0.2035143	0.2182809	0.1399489	0.2492377	0.2461383
	0.2054303	0.1315812	0.2208011	0.1757727	0.2380371	0.1982231	0.2681156	0.1880487	0.2688717	0.2107088	0.2084355					
Item 48	0.0841067	0.4040413	0.3866972	0.3462861	0.3389978	0.4113224	0.4276418	0.4888046	0.3902752	0.2146162	0.2872126	0.2915918	0.3360881	0.1923636	0.3310460	0.2038011
	0.4030980	0.2809126	0.2638839	0.3528562	0.1155627	0.4694223	0.3620821	0.2886007	1.0000000	0.2157584	0.2176320	0.3473549	0.3545865	0.2338815	0.3510045	0.3619166
	0.3179635	0.2650771	0.2431626	0.2069136	0.3310246	0.3349856	0.3979393	0.2865637	0.3784319	0.3467628	0.3470464					
Item 49	0.1012570	0.2524251	0.1694981	0.2209406	0.1970057	0.2085356	0.2814463	0.2319999	0.2528411	0.1985462	0.2011869	0.1608473	0.2218262	0.1474723	0.2326127	0.1161188
	0.1649464	0.2506363	0.0856423	0.2352535	0.0	0.2758561	0.2238830	0.2199659	0.2157584	1.0000000	0.1120228	0.2689650	0.1619977	0.1504393	0.1432235	0.2080073
	0.1794605	0.0997483	0.1741830	0.2029316	0.2014714	0.1705602	0.2821782	0.2332017	0.2219161	0.1250271	0.2016200					
Item 50	0.0	0.1738785	0.2608959	0.0936628	0.1163605	0.1815295	0.2611812	0.2272375	0.1889941	0.0843228	0.1685529	0.1757793	0.1470114	0.0887620	0.2096250	0.0808029
	0.1643657	0.1552910	0.0884337	0.2072157	0.0776421	0.2492294	0.1943663	0.1883901	0.2176320	0.1120228	1.0000000	0.1709983	0.1925303	0.1386739	0.1208697	0.1277093
	0.1252367	0.1213605	0.0892202	0.1395161	0.2300842	0.2128902	0.2123470	0.1374577	0.2361078	0.1806028	0.1467888					
Item 51	0.1164910	0.3745391	0.2697897	0.2733328	0.3029370	0.3774860	0.3482534	0.3867788	0.4251198	0.1580129	0.3059496	0.2947266	0.3145872	0.1816085	0.3448594	0.1153775
	0.2880116	0.2637284	0.2021883	0.3470572	0.1090536	0.3466231	0.2466980	0.2035143	0.3473549	0.2689650	0.1709983	1.0000000	0.2831964	0.1421094	0.2135832	0.3192759
	0.2619147	0.1964201	0.1905451	0.2451428	0.2583975	0.2627359	0.3123724	0.2753877	0.2908283	0.2691258	0.3053756					
Item 52	0.0974146	0.3586760	0.3359429	0.3150405	0.2965080	0.2757874	0.3648472	0.3858331	0.3216242	0.2365741	0.2599618	0.1490471	0.2835466	0.1788514	0.3059342	0.1863360
	0.2873516	0.2037097	0.2320591	0.2740467	0.0869740	0.3614307	0.2623428	0.2182809	0.3545865	0.1619977	0.1925303	0.2831964	1.0000000	0.2202279	0.3112367	0.2448871
	0.2515507	0.1469466	0.1984274	0.2431908	0.3320963	0.2100281	0.3663985	0.3157049	0.3466590	0.2840387	0.2402310					

TABLE 5-1 (Continued)

Item 53	0.0	0.2160906	0.1941416	0.1787614	0.1686400	0.2465666	0.2884923	0.2833290	0.2241532	0.0622953	0.1542370	0.1233405	0.2452559	0.1095014	0.2377261	0.1220191
	0.2376347	0.1818456	0.0834655	0.2104777	0.0500838	0.2336399	0.1866713	0.1399489	0.2338815	0.1504393	0.1386739	0.1421094	0.2202279	1.0000000	0.2206587	0.2582089
	0.2099584	0.1066204	0.1534060	0.1820783	0.2276678	0.1866807	0.2277706	0.1645519	0.1844735	0.2210034	0.1710963					
Item 54	0.0948864	0.3460375	0.2615715	0.1911705	0.2959691	0.2840456	0.3058905	0.3633990	0.2996526	0.1877618	0.2498644	0.1744483	0.1884488	0.1628274	0.2589078	0.1665660
	0.3206275	0.1807275	0.1823223	0.2122179	0.1129652	0.2736517	0.2610922	0.2492377	0.3510045	0.1432235	0.1208697	0.2135832	0.2112367	0.2206587	1.0000000	0.2663625
	0.2527223	0.2537286	0.2647516	0.2165787	0.2253298	0.2794681	0.2980402	0.2585236	0.3195007	0.3065740	0.3401186					
Item 55	0.0957218	0.3511450	0.3018401	0.2530969	0.3270504	0.2745722	0.3898572	0.3696179	0.3538963	0.2510669	0.2783180	0.2207608	0.2340605	0.1562499	0.2595881	0.1863103
	0.3444749	0.2568724	0.1863967	0.3132954	0.1173692	0.4009559	0.3159820	0.2461383	0.3619166	0.2080073	0.1277093	0.3192759	[illegible]	0.2582089	0.2663625	1.0000000
	0.3112044	0.1291236	0.2054110	0.2500649	0.2955026	0.2173674	0.4093169	0.3097143	0.2984606	0.2992650	0.2460995					
Item 56	0.1547318	0.3178028	0.2302956	0.1964741	0.2901977	0.3253116	0.3273282	0.3847518	0.3209836	0.1592304	0.1930904	0.1707014	0.2475240	0.1839930	0.2815877	0.2072340
	0.3478146	0.2041699	0.1765632	0.2482536	0.0945367	0.3485566	0.2650417	0.2054303	0.3179635	0.1794605	0.1252367	0.2619147	0.2515507	0.2099584	0.2527223	0.3112044
	1.0000000	0.2043467	0.2290467	0.1848463	0.2976972	0.2746774	0.3666080	0.2546757	0.3441804	0.2570719	0.2578923					
Item 57	0.0808601	0.2034523	0.1618953	0.1583477	0.1840936	0.2145590	0.2442756	0.2574999	0.1916677	0.1054485	0.1604320	0.1635056	0.1368962	0.1030289	0.1633320	0.1639503
	0.2433125	0.0500201	0.1308903	0.1337487	0.1417853	0.2142183	0.2130170	0.1315812	0.2650771	0.0997483	0.1213605	0.1964201	0.1469466	0.1066204	0.2537286	0.1291236
	0.2043467	1.0000000	0.1867430	0.1575111	0.1605583	0.2335693	0.2051080	0.1998464	0.2316697	0.1735153	0.1990110					
Item 58	0.0440173	0.2383717	0.1918052	0.2322044	0.1991724	0.2112995	0.2821245	0.2476018	0.1792548	0.0318161	0.1684636	0.1648603	0.2073274	0.0745582	0.1669794	0.1881806
	0.2513903	0.2027955	0.1224953	0.1335903	0.1032121	0.2246974	0.2281064	0.2208011	0.2431626	0.1741830	0.0892202	0.1905451	0.1984274	0.1534060	0.2647516	0.2054110
	0.2290467	0.1867430	1.0000000	0.1349447	0.1981364	0.1638975	0.2403041	0.2453878	0.2074802	0.2818347	0.2268693					
Item 59	0.1463099	0.2300913	0.1909955	0.1725914	0.2916188	0.2805754	0.3208684	0.2820422	0.2631145	0.1589384	0.1726849	0.2039005	0.2076498	0.1348752	0.1911867	0.0977928
	0.2602416	0.1675771	0.1888999	0.2353939	0.0620880	0.3010343	0.2071525	0.1757727	0.2069136	0.2029316	0.1395161	0.2451428	0.2431908	0.1820782	0.2165787	0.2500649
	0.1848463	0.1575111	0.1349447	1.0000000	0.3262665	0.2438684	0.3442755	0.2322525	0.3119730	0.2414699	0.2377980					
Item 60	0.1479593	0.3438944	0.2958089	0.2542905	0.2843454	0.3420221	0.3985187	0.3561259	0.3710800	0.1993886	0.2720736	0.2093262	0.2656740	0.1931034	0.2145010	0.1652586
	0.3309227	0.2465269	0.2642354	0.3208961	0.0379209	0.3369702	0.2599953	0.2380371	0.3310246	0.2014714	0.2300842	0.2583975	0.3320963	0.2276678	0.2253298	0.2955026
	0.2976972	0.1605583	0.1981364	0.3262665	1.0000000	0.2573890	0.3869429	0.3258481	0.4048109	0.3301693	0.2901183					
Item 61	0.0487050	0.2594044	0.2385659	0.1977642	0.1915701	0.2630230	0.3086860	0.2905576	0.2418741	0.1105742	0.2373930	0.1673184	0.1879780	0.2208328	0.2438556	0.1599559
	0.2558707	0.1800957	0.1909081	0.2033489	0.0729739	0.3262717	0.2220652	0.1982231	0.3349856	0.1705502	0.2128902	0.2627359	0.2100291	0.1866807	0.2794681	0.2173674
	0.2746774	0.2335693	0.1638975	0.2438684	0.2573890	1.0000000	0.2992332	0.2562265	0.2893988	0.2351147	0.3079649					
Item 62	0.1835701	0.3668423	0.3188826	0.3204204	0.3916838	0.4316805	0.4558250	0.4009839	0.4848578	0.3108866	0.3148485	0.2966507	0.3689912	0.1924882	0.3736467	0.2086108
	0.3061595	0.3219464	0.2606957	0.4161875	0.0408678	0.4496245	0.3689381	0.2681156	0.3979393	0.2821782	0.2123470	0.3123724	0.3663985	0.2277706	0.2980402	0.4093169
	0.3666080	0.2051080	0.2403041	0.3442755	0.3869429	0.2992332	1.0000000	0.4237980	0.4715139	0.3864884	0.3612609					
Item 63	0.1062381	0.3326808	0.2355658	0.2899752	0.3302134	0.3510854	0.3715844	0.3145185	0.3530134	0.1616884	0.2314695	0.2157425	0.2391557	0.1841699	0.2994692	0.1486674
	0.2507302	0.2526426	0.1898296	0.2823302	0.0830708	0.3116479	0.2740616	0.1880487	0.2865637	0.2332017	0.1374577	0.2753877	0.3157049	0.1645519	0.2585236	0.3097143
	0.2546757	0.1998464	0.2453878	0.2322525	0.3258481	0.2562265	0.4237980	1.0000000	0.3941100	0.2888487	0.3634993					
Item 64	0.1193218	0.3482097	0.2513617	0.2628030	0.2550166	0.3612836	0.4469891	0.4260510	0.4306055	0.2225023	0.3371662	0.2730431	0.2985572	0.1881883	0.3844661	0.1929189
	0.3536747	0.3195252	0.2779961	0.3514956	0.0497162	0.3664438	0.3184567	0.2688717	0.3784319	0.2219161	0.2361078	0.2908283	0.3466590	0.1844735	0.3195007	0.2984606
	0.3441804	0.2316697	0.2074802	0.3119730	0.4048109	0.2893988	0.4715139	0.3941100	1.0000000	0.3399313	0.4104996					
Item 65	0.1051888	0.2397097	0.2414441	0.2665346	0.2383689	0.3382834	0.3330652	0.3275992	0.3074806	0.1731465	0.2507920	0.1481925	0.2379951	0.1394995	0.3015227	0.1541105
	0.3168090	0.2182366	0.2104062	0.2016461	0.1269371	0.3228709	0.2342283	0.2107088	0.3467628	0.1250271	0.1806028	0.2691258	0.2840387	0.2210034	0.3065740	0.2992650
	0.2570719	0.1735153	0.2818347	0.2414699	0.3301693	0.2351147	0.3864884	0.2888487	0.3399313	1.0000000	0.3592387					
Item 66	0.1147743	0.3018852	0.2001185	0.2418728	0.2493849	0.3106628	0.3074893	0.3000724	0.3194075	0.2218246	0.2123570	0.2143735	0.2466872	0.1375532	0.2794068	0.1383742
	0.2835407	0.1911278	0.1705992	0.2476575	0.1205247	0.2886705	0.2603487	0.2084355	0.3470464	0.2016200	0.1467888	0.3053756	0.2402310	0.1710963	0.3401186	0.2460996
	0.2578923	0.1990110	0.2268693	0.2377980	0.2901183	0.3079649	0.3612609	0.3634993	0.4104996	0.3592387	1.0000000					

non-negative, the fact which indicates the existence of a strong, dominating common factor. This inter-item correlation matrix, R , was subtracted by the covariance matrix of the unique factor matrix, V , and the resulting matrix was factor analyzed, using the computer program for principal factor solution in Biomedical Computer Programs Multivariate Analysis Series 4 (BMDP4M). Actually the matrix (R-V) was obtained by a usual iterative estimation of each of the n communalities, with the squared multiple correlation of each variable with all other variables as its initial estimate.

The same procedure was applied for each of the other ten Level 11 Subtests, and the resulting sets of eigenvalues are shown in Table 5-2*, except for those of the Level 11 Reading Comprehension Subtest (R)**. Inspection of this table tells us that Vocabulary

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*The computer program is written in the way that we can adjust the accuracy of the estimation of correlation coefficients in certain ways. After one way was applied for all the subtests, it was redone for Vocabulary Subtest by increasing the accuracy for a certain range of correlation coefficients, and the new result was used in the present study. Although the discrepancies are small, in this sense the results of the other nine subtests are not exactly comparable to the result of the Vocabulary Subtest. Also, the numbers of common factors used for the reestimations of the communalities are much less for the other subtests than 40 which was used for the Vocabulary Subtest, i.e., 15 , 15 , 13 , 15 , 10 , 15 , 20 , 15 and 15 , respectively .

**For this specific subtest, we obtained the message that the matrix is not positive semi-definite. It is suspected that there are a substantial number of zeros in the correlation matrix because of the unbiasedness adjustment, and this may be one of the reasons for the message.

TABLE 5-2

Eigenvalues of the Matrix (R-V) for Each of the Ten Level 11 Subtests Obtained As the Results of the Principal Factor Solution of Factor Analysis.

	Tests									
	V	L1	L2	L3	L4	W1	W2	W3	M1	M2
1	11.4174	12.3175	10.5823	11.5618	8.4561	7.8066	6.5457	15.1236	10.2474	7.2963
2	1.0398	1.5332	1.9527	2.1354	1.5431	1.9619	1.0297	4.2759	1.4570	1.4043
3	0.7704	1.0122	1.5139	1.6246	0.9682	0.8137	0.9838	0.9698	0.9571	0.7383
4	0.6788	0.8248	1.0949	1.2001	0.7260	0.7445	0.7495	0.8879	0.7146	0.6322
5	0.6395	0.7283	0.7010	0.9655	0.7014	0.5331	0.6671	0.8028	0.6729	0.5763
6	0.6288	0.6740	0.6257	0.7772	0.5827	0.4974	0.5789	0.7542	0.5537	0.5334
7	0.6023	0.6048	0.6134	0.7368	0.5389	0.4299	0.5468	0.6152	0.5184	0.4784
8	0.5512	0.5207	0.5439	0.5810	0.4632	0.4107	0.4518	0.5983	0.4542	0.4523
9	0.5248	0.4739	0.4916	0.4825	0.4486	0.3541	0.3707	0.5493	0.4138	0.4165
10	0.5084	0.4207	0.4478	0.4174	0.3925	0.3069	0.3143	0.5262	0.4038	0.3271
11	0.4801	0.3885	0.3990	0.3530	0.3589	0.2329	0.2667	0.5190	0.3784	0.2913
12	0.4658	0.3780	0.3545	0.3239	0.3332	0.2237	0.2318	0.4880	0.3544	0.2609
13	0.4471	0.3330	0.3434	0.2952	0.3009	0.1719	0.2151	0.4504	0.3372	0.2399
14	0.4133	0.2928	0.3209	0.2158	0.2859	0.1617	0.1874	0.4165	0.3239	0.2045
15	0.3966	0.2882	0.2981	0.2042	0.2093	0.1427	0.1487	0.3635	0.2803	0.1736
16	0.3725	0.2069	0.2351	0.2022	0.1165	0.1234	0.0849	0.3516	0.2060	0.1218
17	0.3537	0.2026	0.2123	0.1505	0.1101	0.1139	0.0508	0.3268	0.1943	0.0705
18	0.3444	0.1783	0.1903	0.1387	0.0977	0.1005	0.0406	0.3018	0.1692	0.0645
19	0.3188	0.1597	0.1435	0.1329	0.0747	0.0761	0.0236	0.2837	0.1475	0.0384
20	0.3065	0.1351	0.1409	0.1015	0.0638	0.0629	0.0183	0.2500	0.1428	0.0237
21	0.2673	0.1082	0.1127	0.0892	0.0544	0.0441	0.0087	0.2042	0.1339	0.0228
22	0.2574	0.0972	0.0913	0.0702	0.0391	0.0177	-0.0112	0.1980	0.1002	0.0153
23	0.2413	0.0873	0.0893	0.0507	0.0277	0.0070	-0.0228	0.1910	0.0947	-0.0091
24	0.2286	0.0742	0.0706	0.0271	0.0095	-0.0086	-0.0431	0.1778	0.0768	-0.0218
25	0.2161	0.0645	0.0512	0.0176	-0.0077	-0.0324	-0.0758	0.1665	0.0681	-0.0392
26	0.1950	0.0478	0.0332	0.0118	-0.0103	-0.0515	-0.0793	0.1566	0.0517	-0.0452
27	0.1800	0.0381	0.0051	-0.0163	-0.0482	-0.0721		0.1391	0.0331	-0.0594
28	0.1698	0.0236	-0.0066	-0.0312	-0.0656	-0.0955		0.1190	0.0279	-0.0903
29	0.1525	0.0180	-0.0174	-0.0363	-0.0828	-0.1027		0.1059	-0.0025	-0.0991
30	0.1402	0.0060	-0.0329	-0.0475	-0.1108	-0.1164		0.0990	-0.0137	
31	0.1285	-0.0180	-0.0476	-0.0584	-0.1222	-0.1201		0.0837	-0.0306	
32	0.1216	-0.0271	-0.0701	-0.0659	-0.1529	-0.1378		0.0686	-0.0394	
33	0.1139	-0.0385	-0.0747	-0.0851		-0.1500		0.0588	-0.0483	
34	0.0939	-0.0705	-0.1062	-0.0965		-0.1713		0.0437	-0.0808	
35	0.0844	-0.0783	-0.1241	-0.1117		-0.1846		0.0362	-0.0982	
36	0.0605	-0.1021	-0.1373	-0.1298		-0.2370		0.0184	-0.1098	
37	0.0508	-0.1103	-0.1500	-0.1540				0.0151	-0.1244	
38	0.0401	-0.1223	-0.1798	-0.1731				0.0083	-0.1458	
39	0.0172	-0.1322	-0.2007	-0.1923				-0.0138	-0.1598	
40	0.0060	-0.1637	-0.2288	-0.2152				-0.0221	-0.1691	
41	-0.0121	-0.1761						-0.0294	-0.1934	
42	-0.0154	-0.1950						-0.0397	-0.2323	
43	-0.0275	-0.2147						-0.0425		
44								-0.0492		
45								-0.0650		
46								-0.0788		
47								-0.0884		
48								-0.0954		
49								-0.1259		
50								-0.1422		
51								-0.1520		
52								-0.1637		
53								-0.1676		
54								-0.1872		
55								-0.2052		
56								-0.2239		

Subtest is one of the few subtests whose second largest eigenvalue is substantially less than the first and also not so much greater than the third and other negligibly small eigenvalues, the fact which practically indicates a single common factor structure. This may be due to the fact that reading ability is always required in the performance in any subtest in addition to the content of measurement, but, unlike in the other nine subtests, in Vocabulary Subtest those two abilities are close in nature. In any case, this result is one of the reasons why Vocabulary Subtest was selected for the present study.

The factor loading matrix of the forty-three response tendencies is given as Table 5-3. We can see in this table that all the factor loadings on the first common factor are positive, and, except for those of items 24 and 44, they are greater than 0.300, ranging from 0.316 for item 39 to 0.691 for item 30. The largest cluster of factor loadings we can find in those common factors excluding those in the first one is the pair in the fourth factor, i.e., 0.393 for item 33 and 0.368 for item 44. Most of the factor loadings on those other common factors are less than 0.300 in absolute value, the fact which indicates their weak influences. From this result, a decision was made to proceed by defining operationally the first common factor as the vocabulary ability and to use the whole set of items in the Subtest as the Old Test.

The proportion correct, p_g, for each item g is given in Table 5-4. In the same table, also presented are the normal deviate, $\hat{\gamma}_g$, corresponding to the proportion correct p_g, and the estimated

TABLE 5-3

Factor Loading Matrix of Forty Common Factors of the Forty-Three Item Response Tendencies of the Iowa Level 11 Vocabulary Subtest, Obtained by the Principal Factor Solution.

	Item	FACTOR 1	FACTOR 2	FACTOR 3	FACTOR 4	FACTOR 5	FACTOR 6	FACTOR 7	FACTOR 8	FACTOR 9	FACTOR 10
I1	24	0.192	-0.023	0.350	0.042	0.091	-0.230	-0.211	0.007	0.032	0.195
I2	25	0.638	-0.051	-0.109	0.048	0.065	-0.175	-0.074	-0.077	-0.027	-0.070
I3	26	0.523	-0.042	-0.298	-0.077	-0.177	0.015	-0.010	-0.015	-0.088	0.034
I4	27	0.511	-0.199	-0.127	0.130	-0.055	0.243	-0.041	-0.198	0.091	-0.140
I5	28	0.556	-0.105	0.009	0.142	0.077	-0.147	-0.206	0.065	-0.082	-0.155
I6	29	0.655	-0.166	0.024	-0.074	0.145	-0.079	-0.052	-0.267	0.022	0.115
I7	30	0.691	0.022	-0.081	-0.139	-0.097	-0.052	-0.106	-0.018	-0.078	-0.060
I8	31	0.684	0.094	-0.227	0.052	-0.037	-0.112	0.009	0.018	-0.015	0.008
I9	32	0.685	-0.273	0.004	-0.022	0.058	-0.061	0.056	-0.009	-0.076	-0.082
I10	33	0.398	-0.250	-0.024	0.393	-0.262	0.063	0.095	0.216	-0.175	0.087
I11	34	0.513	-0.210	-0.003	0.171	0.029	0.006	0.001	-0.117	-0.144	0.102
I12	35	0.439	-0.118	-0.045	-0.122	0.330	0.029	0.161	0.160	-0.154	0.016
I13	36	0.549	-0.283	-0.008	0.053	0.071	0.121	-0.115	-0.129	0.055	0.221
I14	37	0.331	0.035	0.017	0.094	-0.002	-0.157	0.063	-0.047	0.132	0.008
I15	38	0.554	0.080	0.004	-0.065	-0.112	-0.082	0.197	-0.088	0.247	0.053
I16	39	0.316	0.037	-0.012	0.033	0.053	0.063	-0.144	0.047	0.004	0.091
I17	40	0.564	0.245	-0.109	-0.009	0.092	-0.123	-0.029	0.155	0.045	0.153
I18	41	0.469	-0.245	0.108	-0.035	0.133	0.225	0.093	0.104	0.111	0.140
I19	42	0.400	0.028	0.078	0.172	-0.044	-0.234	0.020	-0.090	0.046	0.114
I20	43	0.558	-0.190	0.013	-0.070	0.006	-0.051	0.144	0.049	0.101	0.014
I21	44	0.142	0.257	-0.054	0.368	0.136	0.046	0.273	0.108	0.157	0.082
I22	45	0.668	-0.106	-0.087	-0.068	-0.043	-0.075	-0.022	0.031	0.037	-0.157
I23	46	0.522	0.050	-0.048	-0.034	0.057	0.033	0.042	0.100	0.049	-0.058
I24	47	0.443	0.021	-0.112	-0.217	0.009	0.048	-0.075	0.129	-0.191	0.234
I25	48	0.647	0.105	-0.195	0.011	0.042	0.021	0.027	-0.036	-0.021	0.014
I26	49	0.388	-0.133	0.071	-0.092	0.037	0.083	0.016	0.107	0.032	-0.103
I27	50	0.327	0.064	-0.111	-0.225	-0.119	0.011	0.244	-0.001	-0.073	0.092
I28	51	0.553	-0.084	-0.014	0.011	0.249	-0.104	0.198	-0.105	0.083	-0.139
I29	52	0.539	0.053	-0.065	0.093	-0.282	-0.003	-0.066	-0.096	0.040	-0.017
I30	53	0.373	0.089	-0.126	-0.145	-0.072	0.103	-0.102	0.012	0.247	0.020
I31	54	0.497	0.272	-0.040	0.129	0.014	0.055	-0.112	-0.013	-0.163	0.009
I32	55	0.555	0.005	-0.052	0.050	-0.012	0.025	-0.097	0.338	0.161	-0.116
I33	56	0.510	0.161	0.048	-0.007	0.059	-0.095	-0.133	0.095	0.134	0.028
I34	57	0.347	0.265	-0.042	0.095	0.162	-0.035	0.008	-0.070	-0.190	-0.044
I35	58	0.384	0.204	-0.043	-0.017	0.187	0.290	-0.223	-0.025	0.024	[illegible]
I36	59	0.441	0.060	0.217	-0.077	-0.074	-0.127	-0.031	0.114	-0.061	-0.092
I37	60	0.561	0.052	0.139	-0.107	-0.178	-0.070	-0.007	-0.009	0.032	0.057
I38	61	0.461	0.237	0.022	-0.086	-0.002	-0.019	0.129	-0.123	-0.087	-0.094
I39	62	0.684	-0.087	0.258	-0.047	-0.102	0.090	-0.026	0.137	0.023	-0.053
I40	63	0.537	0.062	0.225	0.004	-0.014	0.120	-0.007	-0.059	0.012	-0.233
I41	64	0.633	0.106	0.276	-0.106	-0.135	0.041	0.169	-0.016	-0.134	0.093
I42	65	0.518	0.189	0.110	0.060	-0.070	0.204	-0.059	-0.103	0.085	0.112
I43	66	0.517	0.206	0.237	0.075	0.032	0.190	0.110	-0.081	-0.135	-0.043

TABLE 5-3 (Continued)

	Item	FACTOR 11	FACTOR 12	FACTOR 13	FACTOR 14	FACTOR 15	FACTOR 16	FACTOR 17	FACTOR 18	FACTOR 19	FACTOR 20
I1	24	0.191	0.065	0.014	-0.019	-0.121	-0.055	0.067	0.082	0.014	0.066
I2	25	0.160	-0.217	-0.023	-0.011	0.169	0.012	0.010	0.051	-0.094	-0.029
I3	26	0.109	-0.040	0.047	0.057	-0.095	-0.171	-0.084	0.108	0.131	-0.125
I4	27	-0.071	0.043	0.002	-0.130	-0.124	0.097	-0.011	-0.018	-0.036	-0.056
I5	28	-0.048	-0.039	0.072	-0.025	0.016	-0.129	-0.060	0.017	0.006	-0.005
I6	29	-0.067	-0.011	0.015	0.099	-0.025	-0.179	-0.087	-0.157	-0.040	-0.080
I7	30	0.082	-0.021	0.080	-0.126	0.003	0.071	0.061	-0.219	0.039	-0.092
I8	31	-0.158	-0.024	0.053	-0.004	-0.017	0.213	-0.006	-0.057	0.014	-0.018
I9	32	-0.154	-0.097	-0.049	0.113	0.074	-0.050	-0.049	-0.003	0.067	0.017
I10	33	0.026	0.066	-0.074	0.098	-0.097	0.033	-0.100	-0.069	0.021	-0.042
I11	34	0.169	0.061	0.020	-0.009	0.326	0.040	0.142	-0.068	0.057	0.031
I12	35	-0.198	-0.003	0.127	-0.074	-0.034	-0.031	-0.072	0.064	-0.001	0.001
I13	36	-0.033	0.190	0.051	0.014	-0.065	0.062	-0.010	-0.028	0.033	0.085
I14	37	0.076	0.094	-0.112	-0.086	-0.003	0.010	-0.145	0.029	-0.011	-0.071
I15	38	0.074	-0.163	-0.111	0.098	-0.117	-0.047	-0.068	-0.111	-0.023	0.030
I16	39	-0.083	0.053	-0.210	-0.092	0.030	-0.035	-0.099	0.032	0.124	0.020
I17	40	-0.117	-0.055	0.018	0.060	-0.030	0.114	-0.069	0.064	0.010	-0.015
I18	41	0.016	-0.056	-0.041	-0.106	0.131	0.013	-0.080	0.139	-0.079	-0.088
I19	42	-0.136	-0.058	0.026	-0.129	-0.041	0.062	0.064	0.010	-0.195	-0.136
I20	43	0.003	-0.018	-0.050	-0.015	-0.001	-0.068	0.022	-0.027	-0.042	0.138
I21	44	0.098	0.015	0.137	-0.147	0.030	-0.116	0.004	-0.093	0.019	-0.003
I22	45	-0.066	0.205	-0.103	0.003	-0.053	0.002	0.213	0.042	-0.112	0.103
I23	46	0.045	-0.036	-0.103	-0.116	-0.053	-0.127	0.082	-0.097	-0.120	0.103
I24	47	0.196	-0.089	0.003	0.029	-0.136	0.035	0.013	-0.060	-0.092	-0.029
I25	48	-0.073	0.056	-0.066	0.039	-0.087	-0.030	0.144	0.137	-0.130	0.011
I26	49	0.264	0.032	-0.084	-0.048	-0.099	0.201	-0.113	-0.050	-0.044	0.048
I27	50	0.070	0.096	0.068	-0.105	0.053	-0.147	0.083	0.035	0.090	0.023
I28	51	0.153	-0.016	0.151	0.153	-0.091	0.151	0.051	0.102	0.188	0.047
I29	52	0.020	-0.100	0.082	-0.143	-0.033	-0.001	-0.030	0.241	0.082	0.222
I30	53	-0.039	0.109	0.090	0.092	0.219	0.009	-0.190	-0.116	-0.054	0.142
I31	54	0.050	-0.081	-0.025	0.122	0.107	-0.055	-0.114	0.068	-0.143	0.142
I32	55	0.052	0.017	0.055	0.143	0.103	-0.016	0.169	-0.031	0.015	-0.104
I33	56	-0.060	0.044	-0.226	0.069	0.015	0.046	0.016	0.008	0.215	-0.045
I34	57	-0.028	0.119	-0.097	-0.113	-0.068	-0.066	-0.019	-0.150	0.124	0.108
I35	58	0.065	-0.089	0.028	-0.144	-0.040	0.051	0.043	0.014	0.028	-0.049
I36	59	-0.014	0.188	0.305	-0.062	-0.026	0.037	-0.151	-0.027	-0.067	0.041
I37	60	-0.032	0.003	0.107	-0.073	0.049	0.016	-0.021	0.048	0.055	-0.104
I38	61	0.104	0.322	-0.151	0.017	0.111	0.020	-0.077	0.123	-0.069	-0.177
I39	62	-0.065	0.022	-0.053	-0.017	-0.039	-0.163	0.044	0.005	0.018	-0.008
I40	63	0.022	-0.160	-0.005	-0.082	-0.014	-0.070	-0.045	-0.029	0.059	-0.087
I41	64	-0.149	-0.144	-0.095	-0.064	0.111	0.169	0.085	-0.055	0.059	0.070
I42	65	-0.073	0.052	0.175	0.159	-0.030	-0.060	0.145	0.004	0.021	-0.064
I43	66	0.020	-0.024	0.005	0.242	-0.075	0.034	-0.020	0.011	-0.077	0.026

TABLE 5-3 (Continued)

	Item	FACTOR 21	FACTOR 22	FACTOR 23	FACTOR 24	FACTOR 25	FACTOR 26	FACTOR 27	FACTOR 28	FACTOR 29	FACTOR 30
I1	24	-0.122	-0.022	-0.038	0.082	-0.025	0.106	-0.023	0.006	-0.011	-0.041
I2	25	-0.010	0.027	0.062	-0.042	0.137	0.053	-0.078	0.072	0.038	0.042
I3	26	-0.056	0.001	-0.086	0.055	0.037	0.007	-0.085	-0.022	0.009	0.100
I4	27	-0.039	0.034	-0.094	0.103	0.058	-0.036	-0.087	-0.044	-0.054	-0.097
I5	28	0.003	-0.056	0.050	0.038	0.007	-0.007	0.147	-0.122	-0.027	-0.039
I6	29	-0.011	-0.056	-0.045	-0.020	0.034	-0.112	0.044	0.012	0.144	0.017
I7	30	-0.077	0.011	0.040	-0.051	-0.100	0.133	-0.057	-0.088	0.040	-0.097
I8	31	-0.104	-0.148	-0.011	-0.042	-0.040	-0.016	0.111	-0.009	-0.053	0.098
I9	32	0.110	0.023	0.104	-0.012	-0.036	0.103	-0.139	-0.006	-0.060	-0.020
I10	33	0.044	-0.037	0.028	-0.015	0.041	0.024	0.027	0.046	0.027	-0.026
I11	34	0.042	-0.021	-0.045	0.119	-0.011	-0.091	0.088	-0.004	-0.041	-0.038
I12	35	-0.072	0.007	0.074	0.043	-0.064	-0.008	-0.008	0.032	-0.008	-0.080
I13	36	-0.097	0.094	0.080	-0.061	-0.039	-0.030	-0.018	0.041	-0.032	0.083
I14	37	-0.059	0.067	0.126	0.134	-0.164	-0.002	-0.067	-0.081	-0.034	0.107
I15	38	0.123	-0.087	-0.027	0.079	-0.061	-0.006	0.021	0.014	0.012	-0.076
I16	39	0.178	0.180	-0.014	-0.077	-0.050	0.054	0.089	-0.093	0.129	0.004
I17	40	0.055	0.072	-0.020	0.192	0.010	-0.038	0.056	0.075	-0.035	-0.032
I18	41	-0.009	-0.152	-0.080	0.009	0.012	0.069	-0.019	0.010	0.068	-0.028
I19	42	0.092	0.029	-0.014	-0.169	-0.010	0.057	0.029	0.037	-0.037	0.015
I20	43	0.009	0.184	-0.077	-0.060	0.095	-0.059	0.005	-0.022	-0.119	0.067
I21	44	-0.063	0.001	0.077	-0.052	0.040	-0.018	-0.066	-0.007	0.048	-0.013
I22	45	0.083	-0.065	0.160	0.081	0.006	-0.016	-0.054	0.114	0.102	0.019
I23	46	0.013	0.006	0.001	0.038	0.019	-0.077	0.020	-0.121	-0.052	-0.032
I24	47	0.009	0.060	0.049	-0.083	-0.045	-0.110	-0.020	0.045	-0.025	-0.078
I25	48	-0.124	0.026	-0.130	0.015	0.044	0.097	0.068	-0.065	0.069	0.012
I26	49	0.040	-0.068	0.010	0.027	0.044	0.080	0.087	-0.001	0.018	0.069
I27	50	0.019	-0.053	0.109	-0.007	0.036	0.068	0.105	-0.018	-0.002	0.059
I28	51	0.084	-0.001	-0.077	-0.108	-0.052	0.008	0.013	-0.037	-0.007	-0.012
I29	52	-0.021	0.010	0.033	-0.080	-0.064	-0.077	0.013	0.044	0.059	-0.098
I30	53	-0.081	0.004	-0.002	-0.047	0.013	0.111	0.028	0.051	-0.017	-0.049
I31	54	0.018	-0.071	-0.037	-0.005	-0.086	-0.009	-0.076	-0.035	-0.056	0.051
I32	55	-0.020	0.135	-0.115	-0.007	-0.089	-0.022	-0.029	0.032	0.062	0.018
I33	56	-0.105	-0.127	0.085	-0.081	0.165	-0.107	-0.058	-0.036	-0.011	-0.046
I34	57	0.043	-0.013	-0.162	0.025	0.037	0.115	-0.050	0.148	-0.021	-0.091
I35	58	0.155	-0.045	0.065	-0.018	0.044	-0.029	-0.023	-0.004	-0.039	0.079
I36	59	0.104	-0.026	-0.076	0.001	0.073	-0.105	-0.082	-0.047	0.087	0.050
I37	60	0.052	0.108	0.020	0.081	0.177	0.056	0.028	0.016	-0.080	-0.049
I38	61	0.015	0.017	-0.026	-0.084	-0.059	-0.074	0.001	0.023	-0.050	-0.080
I39	62	-0.020	-0.122	-0.076	-0.117	-0.062	0.006	0.003	0.025	-0.127	0.027
I40	63	-0.113	0.082	0.034	0.032	-0.078	-0.052	0.111	0.182	0.022	0.059
I41	64	-0.065	0.008	-0.069	0.046	-0.034	-0.042	-0.081	-0.068	0.083	0.057
I42	65	0.131	-0.057	0.059	0.058	-0.058	0.050	-0.005	-0.073	-0.025	0.013
I43	66	-0.100	0.112	0.120	-0.014	0.109	0.052	0.044	-0.062	0.030	-0.023

TABLE 5-3 (Continued)

	Item	FACTOR 31	FACTOR 32	FACTOR 33	FACTOR 34	FACTOR 35	FACTOR 36	FACTOR 37	FACTOR 38	FACTOR 39	FACTOR 40
I1	24	0.055	-0.005	0.072	0.006	-0.026	-0.035	0.024	0.025	0.014	-0.001
I2	25	0.011	0.083	-0.111	-0.054	-0.020	0.050	-0.025	0.009	0.019	0.013
I3	26	0.066	0.002	-0.005	0.072	-0.022	-0.039	0.039	-0.014	0.037	0.001
I4	27	0.057	0.019	0.028	-0.073	-0.001	0.049	0.043	0.013	-0.008	-0.014
I5	28	0.098	-0.012	-0.043	0.010	0.112	0.019	-0.031	-0.034	0.010	-0.013
I6	29	-0.074	-0.011	0.049	-0.008	-0.055	0.019	0.017	-0.025	-0.022	0.000
I7	30	-0.037	0.095	0.064	-0.013	0.019	-0.024	-0.017	-0.004	-0.013	0.021
I8	31	-0.012	-0.016	0.038	-0.052	-0.065	-0.041	-0.026	0.067	0.034	-0.011
I9	32	-0.043	-0.066	-0.025	0.019	0.021	-0.085	0.055	0.050	-0.026	-0.013
I10	33	-0.003	-0.007	0.039	0.011	-0.005	-0.010	-0.037	-0.042	-0.011	0.019
I11	34	-0.036	0.030	-0.001	0.057	-0.027	-0.016	0.026	0.011	0.005	-0.010
I12	35	-0.006	0.007	0.032	0.070	-0.044	0.084	0.018	-0.002	0.032	0.014
I13	36	0.092	-0.019	-0.097	0.017	0.041	0.017	-0.035	0.044	-0.019	0.018
I14	37	-0.076	-0.008	-0.016	-0.021	-0.035	0.023	-0.038	-0.058	-0.010	-0.017
I15	38	0.085	0.028	-0.008	0.068	0.029	0.035	-0.043	0.061	0.007	-0.001
I16	39	-0.003	0.034	0.010	-0.034	-0.024	0.012	0.004	0.044	0.027	-0.003
I17	40	0.009	0.127	-0.040	-0.035	0.007	-0.043	0.039	-0.020	-0.038	0.010
I18	41	0.024	-0.018	0.019	-0.087	0.010	-0.055	-0.047	-0.010	0.002	-0.004
I19	42	0.077	-0.046	0.014	0.039	-0.015	0.005	0.069	-0.041	-0.003	-0.004
I20	43	-0.036	0.082	0.130	-0.032	0.067	-0.021	-0.002	-0.023	0.028	0.004
I21	44	-0.039	0.015	-0.003	0.031	0.047	-0.010	0.019	0.036	0.007	-0.010
I22	45	0.013	0.015	0.068	0.013	0.003	-0.011	-0.026	-0.011	0.019	-0.007
I23	46	0.023	-0.115	-0.087	-0.031	-0.102	-0.069	0.001	-0.012	0.001	0.028
I24	47	-0.034	-0.055	-0.036	-0.049	0.051	-0.001	-0.017	-0.012	0.010	-0.032
I25	48	-0.123	-0.017	-0.044	0.074	0.082	-0.010	-0.017	0.015	-0.028	-0.002
I26	49	-0.073	-0.032	-0.033	0.035	0.015	0.051	0.102	0.006	0.007	0.003
I27	50	0.101	0.002	0.031	-0.084	0.001	0.039	0.036	0.002	-0.046	-0.005
I28	51	0.003	-0.033	0.009	-0.019	-0.009	-0.003	-0.038	-0.044	-0.011	0.005
I29	52	-0.056	-0.004	-0.018	0.011	-0.046	-0.001	0.022	-0.014	-0.005	-0.001
I30	53	0.030	-0.027	-0.005	0.049	-0.005	-0.024	0.006	-0.059	0.011	-0.008
I31	54	0.001	-0.050	0.123	-0.036	0.026	0.067	0.007	0.028	-0.021	0.014
I32	55	0.059	-0.059	0.013	-0.006	-0.050	0.052	0.012	0.013	-0.017	-0.008
I33	56	-0.012	-0.030	0.020	-0.017	0.035	0.020	0.035	-0.010	-0.005	0.004
I34	57	0.010	-0.040	-0.043	-0.044	-0.012	0.011	-0.025	-0.027	0.006	-0.011
I35	58	0.030	0.031	0.067	0.119	-0.022	-0.032	-0.037	-0.021	-0.021	-0.003
I36	59	-0.001	0.023	-0.034	-0.015	0.017	-0.033	-0.002	0.032	-0.008	-0.002
I37	60	-0.084	-0.124	0.034	0.031	-0.032	0.052	-0.074	0.029	-0.003	0.002
I38	61	0.035	0.010	-0.013	0.028	0.021	-0.024	0.003	0.016	0.012	0.012
I39	62	-0.065	0.140	-0.079	0.025	-0.055	0.038	-0.014	0.004	-0.014	-0.010
I40	63	-0.009	-0.050	0.029	-0.026	0.062	-0.050	0.011	0.014	-0.002	0.010
I41	64	0.065	-0.025	-0.035	0.046	0.045	0.019	-0.000	-0.041	0.010	-0.001
I42	65	-0.077	-0.012	-0.051	-0.080	0.046	0.014	0.034	-0.027	0.049	0.014
I43	66	0.055	0.060	0.006	-0.005	-0.090	-0.023	-0.004	0.001	0.001	-0.018

TABLE 5-4

Estimated Item Discrimination Parameter $\hat{a}_g$ And Item Difficulty Parameter $\hat{b}_g$, Proportion Correct p_g And Normal Deviate $\hat{\gamma}_g$, for Each of the Forty-Three Old Test Items of the Iowa Level 11 Vocabulary Subtest.

Item g	Discrimination Parameter $\hat{a}_g$	Difficulty Parameter $\hat{b}_g$	Proportion Correct p_g	Normal Deviate $\hat{\gamma}_g$
24	0.196	-4.257	0.79315	-0.81740
25	0.829	-1.000	0.73816	-0.63768
26	0.614	-0.821	0.66624	-0.42955
27	0.594	-0.340	0.56895	-0.17370
28	0.669	-0.900	0.69162	-0.50045
29	0.867	-1.077	0.75973	-0.70543
30	0.956	-0.557	0.64975	-0.38465
31	0.938	-0.179	0.54865	-0.12225
32	0.940	-0.803	0.70897	-0.55038
33	0.434	-2.331	0.82318	-0.92755
34	0.598	-1.210	0.73266	-0.62088
35	0.489	-0.569	0.59856	-0.24962
36	0.657	-0.987	0.70601	-0.54177
37	0.351	0.577	0.42428	0.19096
38	0.665	-0.468	0.60237	-0.25949
39	0.333	-0.676	0.58460	-0.21368
40	0.683	0.402	0.41032	0.22672
41	0.531	-0.948	0.67174	-0.44472
42	0.436	0.258	0.45897	0.10303
43	0.672	-0.867	0.68570	-0.48370
44	0.143	4.175	0.27665	0.59282
45	0.898	-0.357	0.59433	-0.23870
46	0.612	-0.318	0.56599	-0.16617
47	0.494	-0.781	0.63536	-0.34608
48	0.849	0.054	0.48604	0.03500
49	0.421	-0.626	0.59602	-0.24306
50	0.346	-0.250	0.53257	-0.08173
51	0.664	-0.420	0.59179	-0.23215
52	0.640	0.217	0.45347	0.11690
53	0.402	0.526	0.42217	0.19635
54	0.573	0.126	0.47504	0.06261
55	0.667	-0.342	0.57530	-0.18988
56	0.593	1.007	0.30372	0.51373
57	0.370	0.398	0.44501	0.13828
58	0.416	0.782	0.38198	0.30028
59	0.491	-0.731	0.62648	-0.32254
60	0.678	-0.170	0.53807	-0.09557
61	0.519	0.748	0.36506	0.34497
62	0.938	-0.485	0.62986	-0.33148
63	0.637	-0.398	0.58460	-0.21368
64	0.818	-0.042	0.51058	-0.02652
65	0.606	0.595	0.37902	0.30806
66	0.604	-0.376	0.57699	-0.19420

item discrimination parameter, $\hat{a}_g$, and item difficulty parameter, $\hat{b}_g$, which are given by

$$(5.1) \qquad \hat{a}_g = \rho_g(1-\rho_g{}^2)^{-1/2}$$

and

$$(5.2) \qquad \hat{b}_g = \hat{\gamma}_g \, \rho_g{}^{-1} \quad ,$$

where ρ_g is the factor loading of item g on the first common factor. Those values thus calculated will serve as the estimated item parameters in the normal ogive model on the dichotomous response level, whose item characteristic function is given by (4.1), for each Old Test item.

VI. Test Information Function of the Old Test and the Transformation of the Latent Trait θ to τ

The test information function, $I(\theta)$, of the Old Test is given by the sum total of the item information function, $I_g(\theta)$, which can be written as

$$(6.1) \qquad I_g(\theta) = [\, \frac{\partial}{\partial\theta} P_g(\theta)]^2 \, [P_g(\theta)Q_g(\theta)]^{-1} \quad ,$$

where $P_g(\theta)$ is the item characteristic function given by (4.1) and

$$(6.2) \qquad Q_g(\theta) = 1 - P_g(\theta) \quad .$$

Thus we can write

$$(6.3)\qquad I(\theta) = \sum_{g=1}^{n} I_g(\theta) \quad .$$

It has been pointed out (Samejima, RR-80-2, Final Report) that the square root of the test information function, rather than the test information function itself, is a useful function in many ways. Among others, it can be used in the process of transforming the original latent trait to another, which has a constant amount of test information for the range of ability of interest, as we have seen in Section 3.

Figure 6-1 presents the square root of the test information function of the Old Test by a solid line. We can see in this figure that our Old Test is most informative around $\theta = -0.4$, i.e., a little below the average ability level of our subjects. This is expected from the fact that thirty test items out of the total of forty-three have negative difficulty parameters, and twenty-eight test items have their difficulty parameters between -1.0 and 0.2 , as is observed in Table 5-4. In the same figure, also presented by a dotted line is the polynomial of degree 7 obtained by the method of moments, using the interval of θ , $(-5.0, 5.0)$. The actual formula of this polynomial is given by

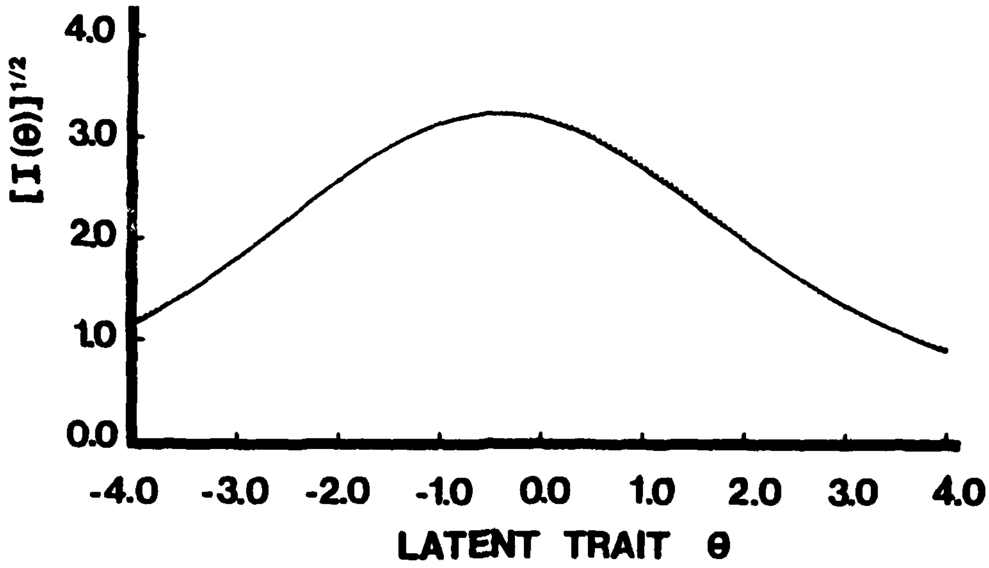

FIGURE 6-1

Square Root of Test Information Function $[I(\theta)]^{1/2}$ of the Level 11 Vocabulary Subtest (Solid Line) And Its Approximation by the Polynomial of Degree 7 Obtained by the Method of Moments with the Interval of θ, $[-5.0, 5.0]$ (Dotted Line).

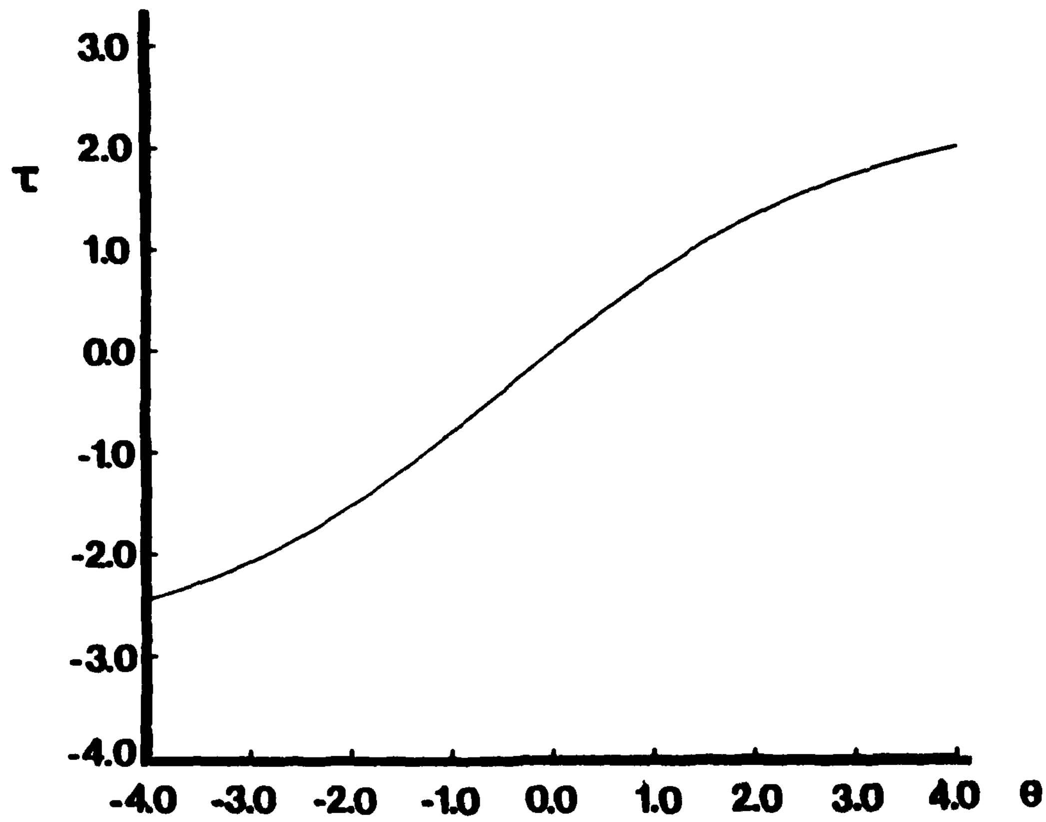

FIGURE 6-2

Polynomial Transformation of θ to τ.

$$(6.4) \qquad [I(\theta)]^{1/2} \doteq 3.1915950 - 0.23604972\theta - 0.273225550\theta^2 + 0.026248259\theta^3 + 0.012315578\theta^4 - 0.0011485951\theta^5 - 0.00022787645\theta^6 + 0.000018322697\theta^7 \ .$$

We can see in Figure 6-1 that this polynomial and the actual square root of the test information function are almost identical with each other for the interval of θ , (-4.0, 4.0) . This proves that the polynomial given by (6.4) makes a good substitute for the square root of the test information function, the result which is expected from the fact that the polynomial obtained by the method of moments is also the least squares solution for the specified degree of polynomial and interval of θ (Samejima and Livingston, RR-79-2). Actually, the method of moments was tried with four different intervals of θ , i.e., (-4.0, 4.0) , (-4.5, 4.5) , (-5.0, 5.0) and (-5.5, 5.5) , and the above result showed the best fit. Those coefficients, σ_k (k=0,1,2,...,7) , of the polynomials of degree 7 obtained by using the four different intervals of θ are shown in Appendix as Table A-1, together with the coefficients of the polynomials of degrees 3, 4, 5 and 6 obtained similarly by using those four intervals of θ , respectively. In this table, also presented are the original and revised coefficients, which mean those obtained by adjusting the area under the curve of $[I(\theta)]^{1/2}$ for the specified interval of θ to unity, with the midpoint of the interval and real origin of the scale as the origin, respectively. The revised coefficients were further modified to the "corrected" coefficients by readjusting the area

under the curve of $[I(\theta)]^{1/2}$ for the specified interval of θ to its real value.

The polynomial for transforming θ to τ was obtained by (3.3) and (3.4), using the coefficients, α_k $(k=0,1,2,\ldots,7)$, in (6.4) and setting the two constants, $C_0 = 0.0$ and $C_1 = 4.0$. The resulting polynomial of degree 8 is given by

$$(6.5) \quad \tau(\theta) = 0.00000000 + 0.79789874\theta - 0.0295062150\theta^2 - 0.0227687920\theta^3 + 0.0016405162\theta^4 + 0.000615778910\theta^5 - 0.0000478581270\theta^6 - 0.0000081384446\theta^7 + 0.00000057258428\theta^8 .$$

Figure 6-2 presents this polynomial of degree 8 for transforming θ to τ .

We can write for the square root of the test information function, $I^*(\tau)$, for the transformed latent trait τ

$$(6.6) \quad [I^*(\tau)]^{1/2} = [I(\theta)]^{1/2} \frac{d\theta}{d\tau} .$$

Figure 6-3 presents the square root of the test information function of τ thus obtained by using the approximated polynomial for $[I(\theta)]^{1/2}$ given by (6.4), and the derivative of τ obtainable from (6.5). Since the interval of θ , (-4.0, 4.0) , corresponds to the interval of τ , (-2.44244, 2.02098), as we can see in Figure 6-2, the latter interval is shown by arrows in Figure 6-3. We can see that for this interval of τ the approximated square root of the test

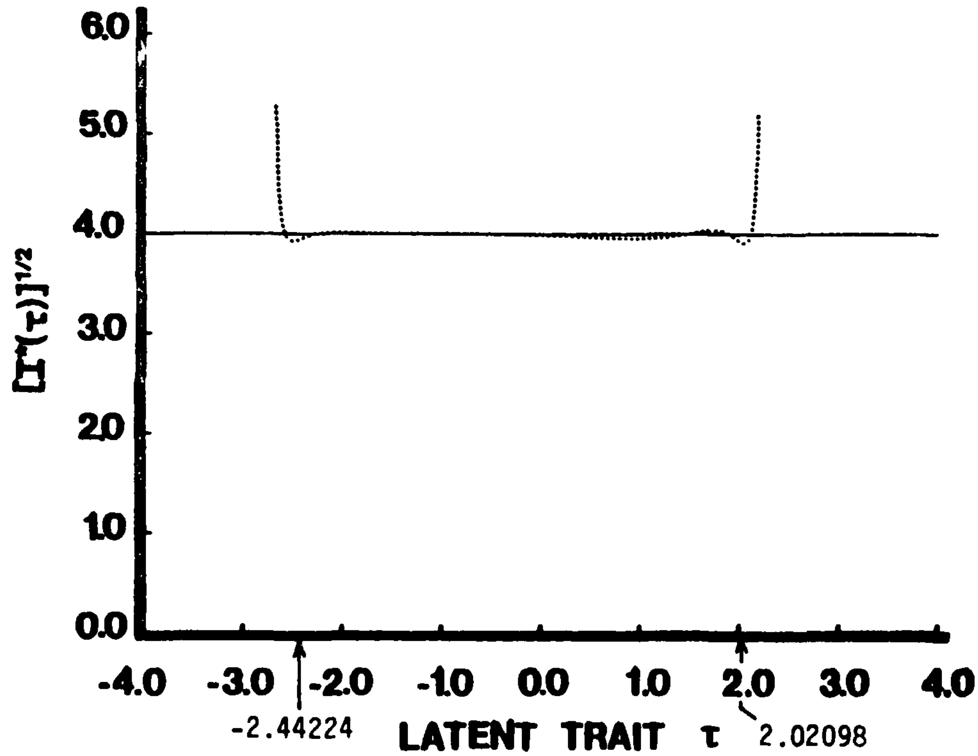

FIGURE 6-3

Square Root of Test Information Function $[I^*(\tau)]^{1/2}$ of the Level 11 Vocabulary Subtest Obtained from the Polynomial Transformation of θ to τ (Dotted Line) And Its Target (Solid Line).

information function, $[I(\tau)]^{1/2}$, is almost constant, i.e., very close to 4.0 .

The maximum likelihood estimate of θ was obtained for each individual subject from his response pattern on the Old Test items. Let $\hat{\theta}_s$ denote this maximum likelihood estimate of ability θ for subject s . This maximum likelihood estimate, $\hat{\theta}_s$, can directly be transformed to the maximum likelihood estimate of the transformed ability τ , which is denoted by $\hat{\tau}_s$, through (6.5). This was done for the 2,356 subjects, whose $\hat{\theta}_s$'s are within the interval, (-3.75, 3.75) . On this stage, eight subjects were excluded from our data, since three of them obtained positive infinity for $\hat{\theta}_s$, three obtained 5.94848 , 4.92496 and 4.37878 , respectively, and two obtained 3.89343 . They were excluded permanently from the rest of the research.

Figure 6-4 presents the frequency distribution of the 2,356 $\hat{\tau}_s$, with the interval width of 0.25 . In the same figure, also presented by dotted and dashed lines are the polynomials of degree 3 and 4, respectively, which were obtained by the method of moments. In these two cases, the interval of $\hat{\tau}$ is (-1.91742, 1.95366) , taking the lowest and the highest values of $\hat{\tau}_s$ among the 2,356 as its two endpoints. These two polynomials of degrees 3 and 4 are given by

$$(6.7) \qquad \hat{g}^*(\hat{\tau}) = 0.42358084 - 0.046813019\hat{\tau} - 0.13270786\hat{\tau}^2 + 0.020014202\hat{\tau}^3$$

and

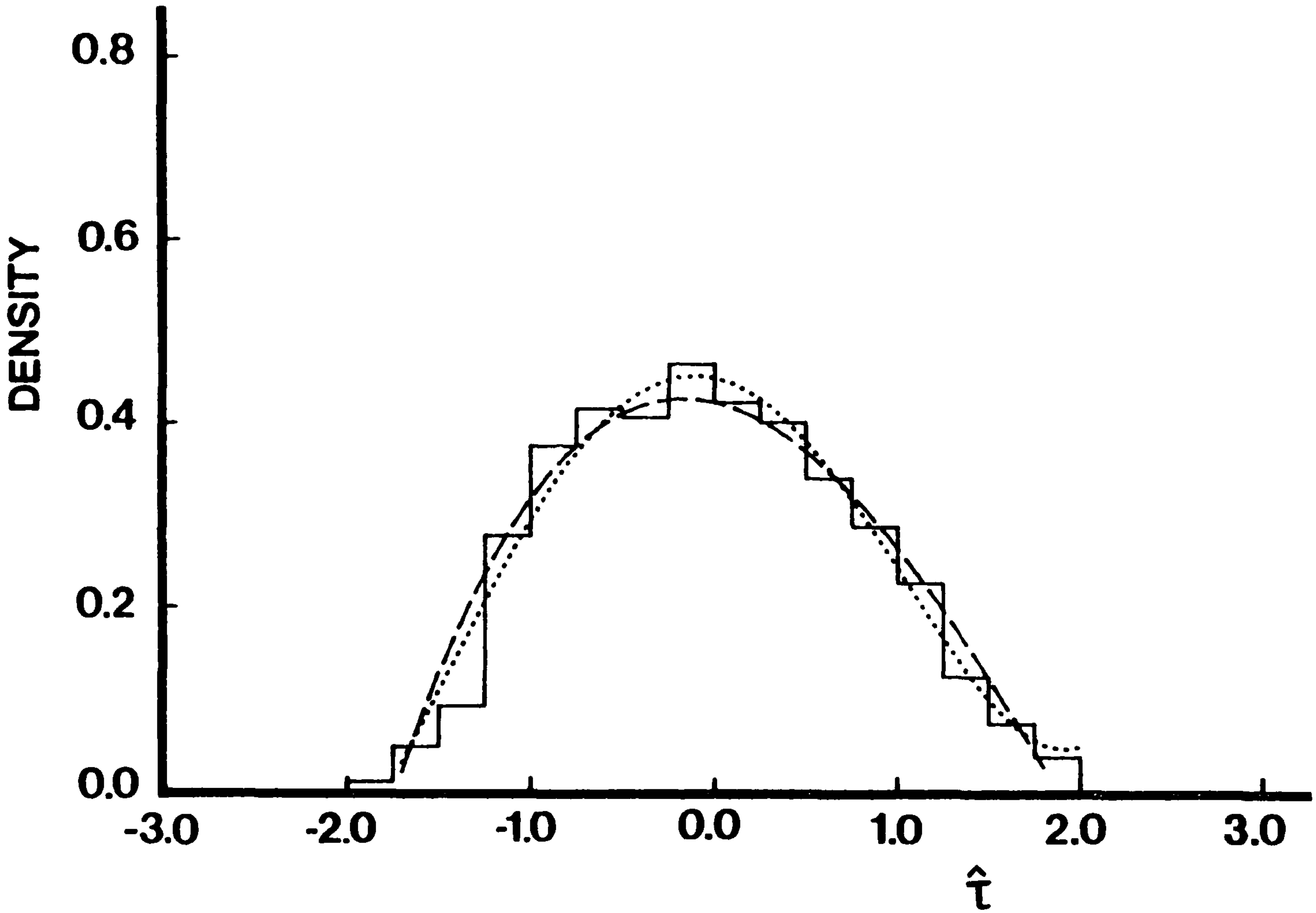

FIGURE 6-4

Frequency Distribution of the 2,356 $\hat{\tau}_s$ Based upon the Old Test (Histogram), And the Two Polynomials of Degree 3 (Dashed Line) And of Degree 4 (Dotted Line) Obtained by the Method of Moments.

and

$$(6.8) \qquad \hat{g}^*(\hat{\tau}) = 0.45023559 - 0.044232853\hat{\tau} - 0.20387563\hat{\tau}^2 + 0.018406862\hat{\tau}^3 + 0.022176405\hat{\tau}^4 \quad ,$$

respectively. We can see in Figure 6-4 that these two polynomials fit the frequency distribution very well. Hereafter, we shall call the situations in which (6.7) and (6.8) are adopted as the estimated density function, $\hat{g}^*(\hat{\tau})$, Degree 3 Case and Degree 4 Case, respectively.

VII. Estimated Plausibility Functions of the Distractors

Using the polynomials introduced in the preceeding section as the estimated density, $\hat{g}^*(\hat{\tau})$, the first through fourth conditional moments of τ , given $\hat{\tau}_s$, were obtained for each individual $\hat{\tau}_s$, by the formulae (3.5) through (3.8). From those results, the two coefficients β_1 and β_2 and Pearson's criterion κ were also computed by formulae (3.9), (3.10) and (3.11) . They are all presented in Appendix as Tables A-2 and A-3 for Degree 3 and 4 Cases, respectively.

Table 7-1 presents the frequency distribution of the 2,356 $\hat{\tau}_s$'s with respect to the types of the conditional distribution of τ , given $\hat{\tau}_s$, in both Degree 3 and 4 Cases. These types, 1 through 7, are Pearson's Types (Elderton and Johnson, 1969; Johnson and Kotz, 1970) assigned by evaluating the values of the criterion κ . We can see in this table that in both Degree 3 and 4 Cases more than sixty

TABLE 7-1

Frequency Distribution of the 2,356 $\hat{\tau}_s$ with Respect to Their Pearson Types for the Conditional Distributions of τ .

Type	Degree 3 Case	Degree 4 Case
1	362	380
2	402	220
3	0	0
4	6	69
5	0	1
6	1	8
7	0	89
normal	1,458	1,536
und. 1	112	47
und. 2	15	6
Total	2,356	2,356

und. 1 : Undefined Due to Negative Even Conditional Moment(s).

und. 2 : Undefined Due to Negative P.D.F.

percent of the cases belong to the normal distribution, while most of the others belong to the Beta distribution, i.e., either Pearson's Type 1 or 2. There are some cases whose conditional distributions of τ are undefined, either due to negative estimated even conditional moments or to negative estimated conditional probability densities. Those subjects have to be excluded from the rest of the research.

The above result justifies our choice of Normal Approach Method in both Degree 3 and 4 Cases. A close examination of Tables A-2 and A-3 in Appendix further discloses the fact that, in most cases where the conditional distributions of τ belong to other types of Pearson's distributions than normality the values of β_2 are very close to 3.000 , the number which characterizes the normal distribution.

Since these two sets of results are very similar to each other, hereafter we deal solely with Degree 4 Case. It is worth noting, however, that the results of Degree 3 Case would be just as respectable as those of Degree 4 Case, in spite of the fact that the degree of the polynomial approximating $g^*(\tau)$ is one less and as small as 3 . A slight disadvantage of Degree 3 Case appears in the number of subjects to be discarded because of the result shown in Table 7-1, i.e., 127 compared with 53 in Degree 4 Case.

Before proceeding further, we notice that a simple, straightforward estimation of the plausibility functions of the distractors can be made by taking the frequency ratios of the subgroups of examinees who selected the separate alternative answers,

which are calculated for some appropriately set subintervals of $\hat{\theta}$. This was done by using thirty subintervals of $\hat{\theta}$ with unequal widths to make the total numbers of subjects in the separate subintervals of approximately equal, i.e., 78 or 79 . The results are shown in Appendix as Figure A-1, together with the item characteristic functions in the normal ogive model, whose discrimination and difficulty parameters are shown in Table 5-4 as $\hat{a}_g$ and $\hat{b}_g$. In those graphs, the frequency ratios of the correct answers, A ,are represented by dots, and those of the distractors, B , C and D , are represented by dashes of three increasing lengths.* We can see from those graphs that the set of frequency ratios for the correct answer matches the corresponding normal ogive curve well in most cases.

The operating characteristics of the four alternative answers were obtained for each of the forty-three vocabulary test items using the Simple Sum Procedure of the Conditional P.D.F. Approach combined with the Normal Approach Method, which were introduced in Section 3.

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* Because of the confidentiality of the Tests, we need to disguise the correct answer for each item from the reader. For this reason, the alternative answers, 1 , 2 , 3 and 4 , were randomized, so that we shall always call the correct answer the alternative A , and the three incorrect answers B , C and D , throughout the rest of the present paper.

The resultant estimated operating characteristics are shown in Figure 7-1 by dotted and dashed lines, together with the normal ogive curve specified by the two estimated item parameters shown in Table 5-4, which is drawn by a solid line.

These results provide us with a variety of information. First of all, most of the nonparametrically estimated item characteristic functions are very close to the corresponding normal ogive curves, which are parametrically estimated item characteristic functions following the normal ogive model. Exceptions are the one for item 44 and, to a lesser extent, those for items 39 and 49 . Secondly, most of the sets of estimated plausibility functions of distractors indicate that they belong to the Informative Distractor Model rather than the Equivalent Distractor Model, which means each separate distractor provides us with its own information. The closest configuration of the estimated plausibility functions to the Equivalent Distractor Model may be the one for item 63 . There are pairs of distractors which show almost identical estimated plausibility functions with each other in certain items, however. We can see them in the alternatives B and C of item 24 , B and C of item 29 , C and D of item 30 , B and D of item 49 , B and C of item 50 , C and D of item 52 , B and C of item 53 , B and D of item 60 , C and D of item 61 and C and D of item 64 . Thirdly, there are certain distractors which attract the examinees strongly for certain specific ranges of ability. Table 7-2 presents those distractors under the label, "informative" .

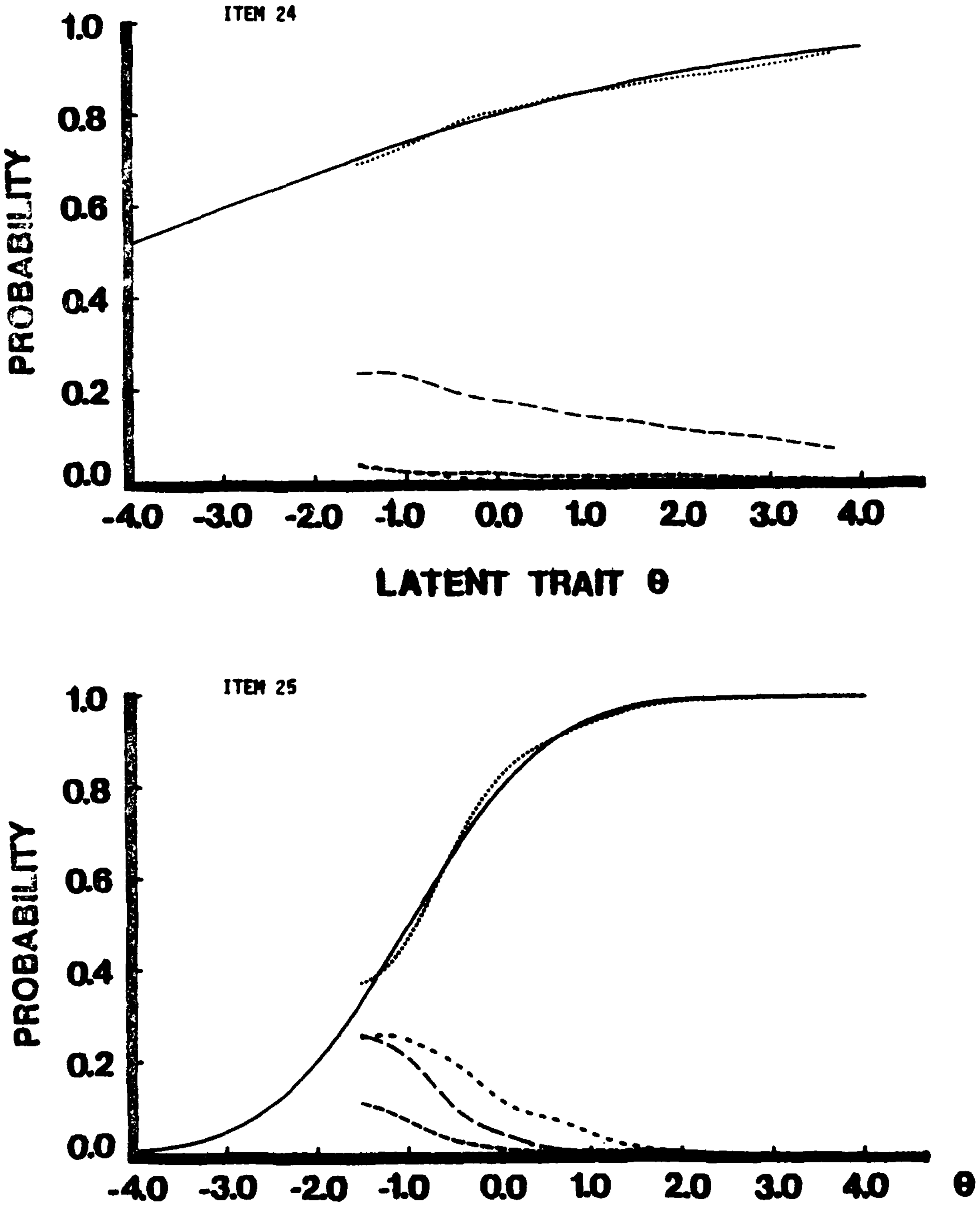
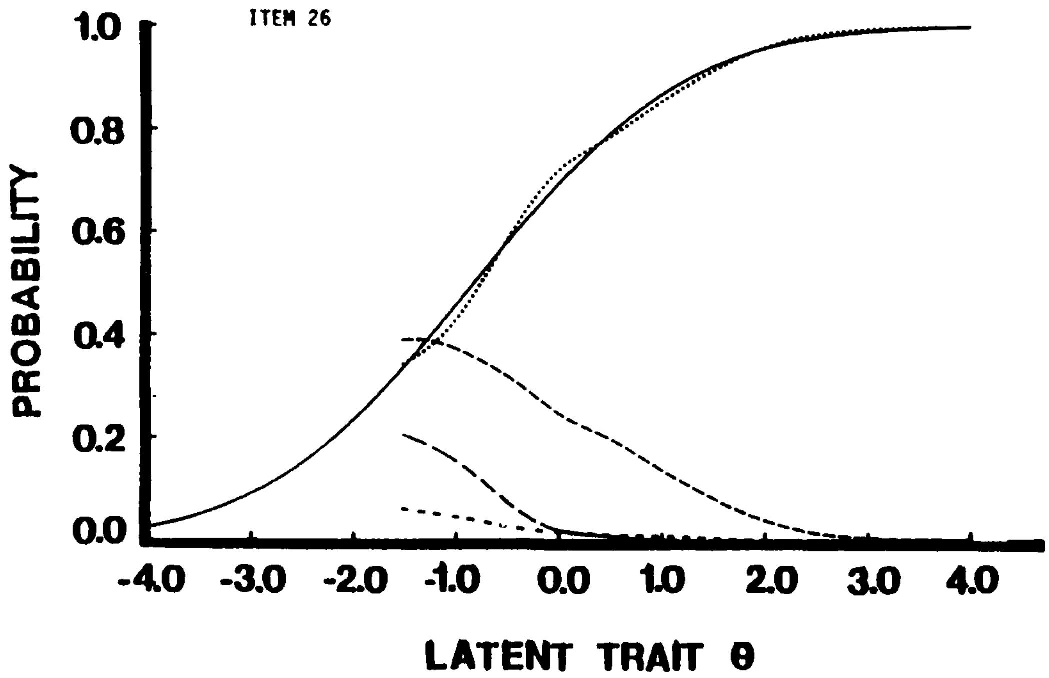
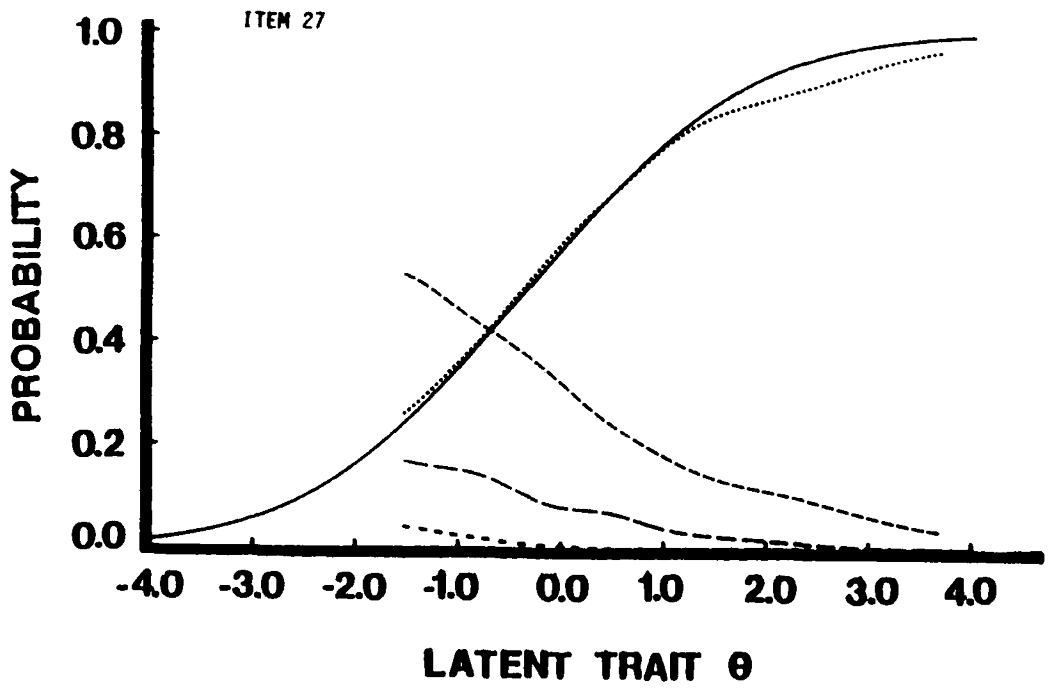


FIGURE 7-1

Estimated Item Characteristic Function Following the Normal Ogive Model (Solid Line) And the Estimated Operating Characteristics of the Four Alternative Answers Using the Simple Sum Procedure of the Conditional P.D.F. Approach Combined with the Normal Approach Method, for Each of the Forty Three Level 11 Vocabulary Items. The Length of Dashes Is Shortest for Alternative A, Next Shortest for B, Longer for C, and Longest for D.





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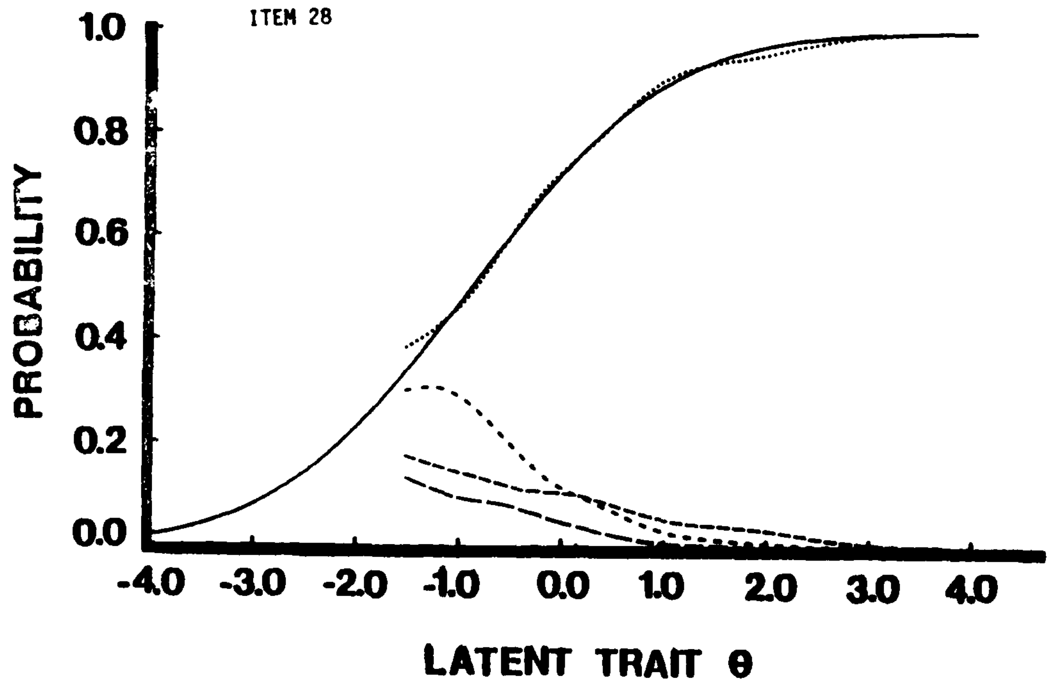


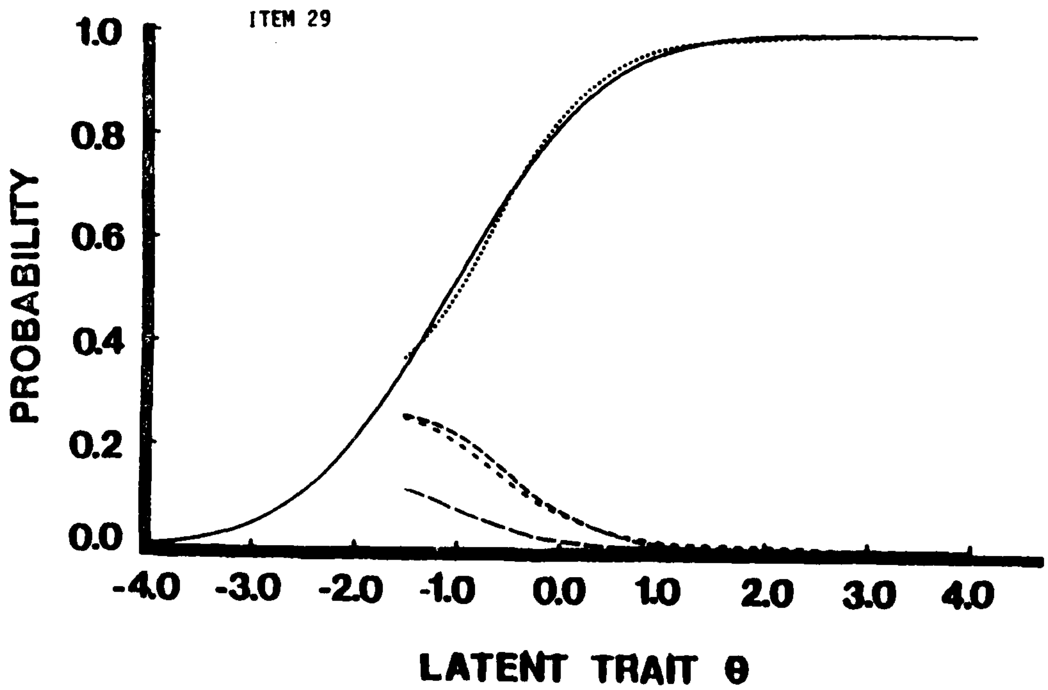
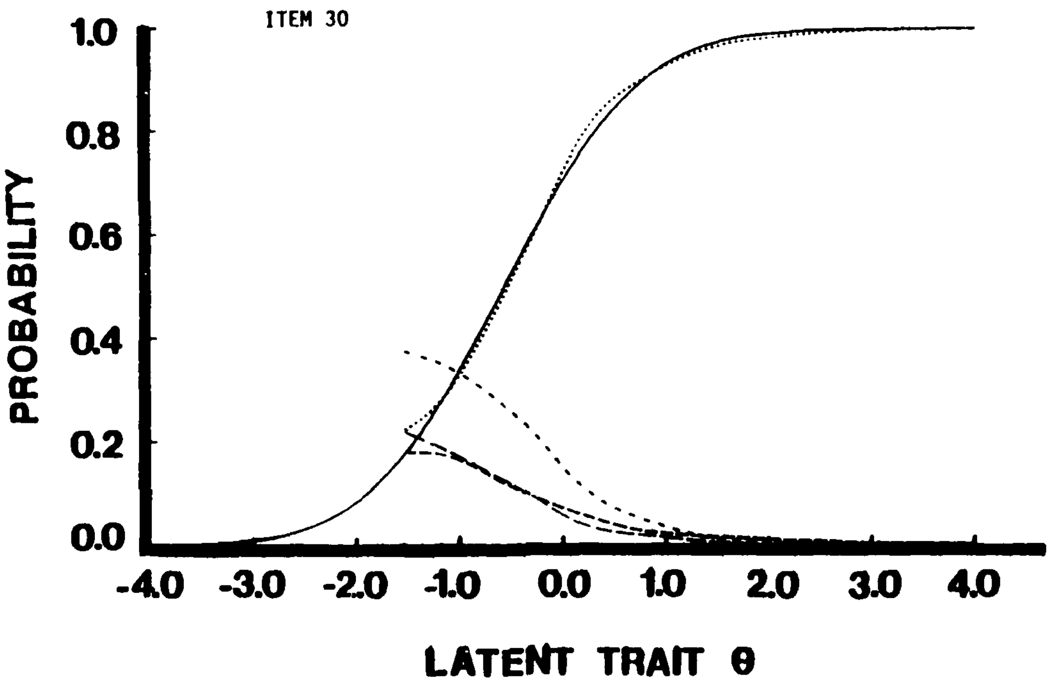
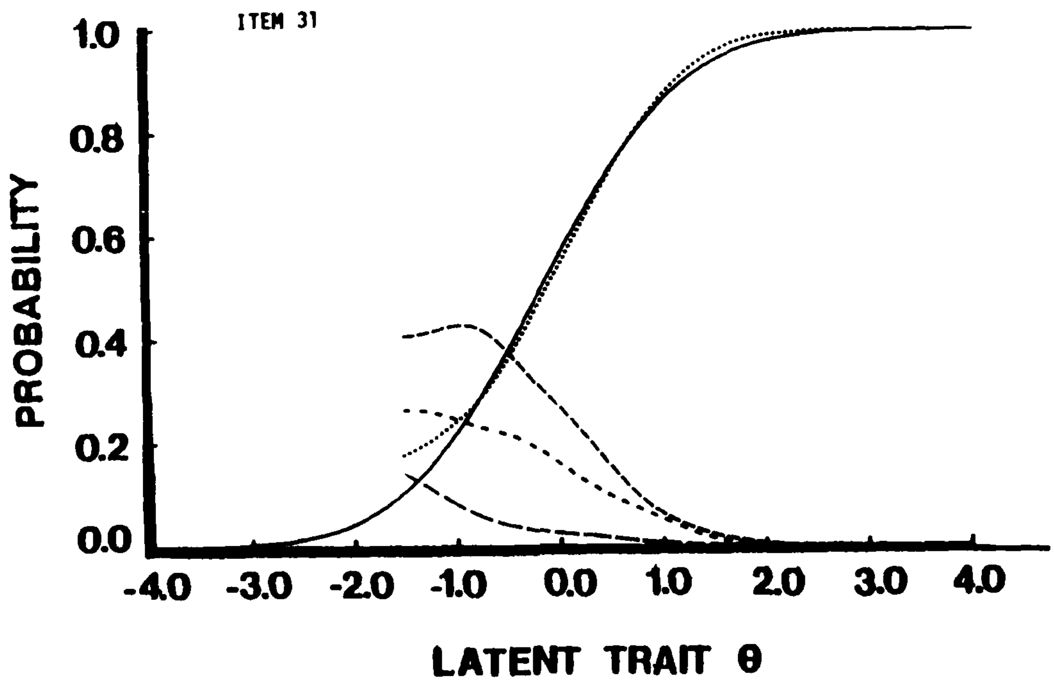


FIGURE 7-1 (Continued)





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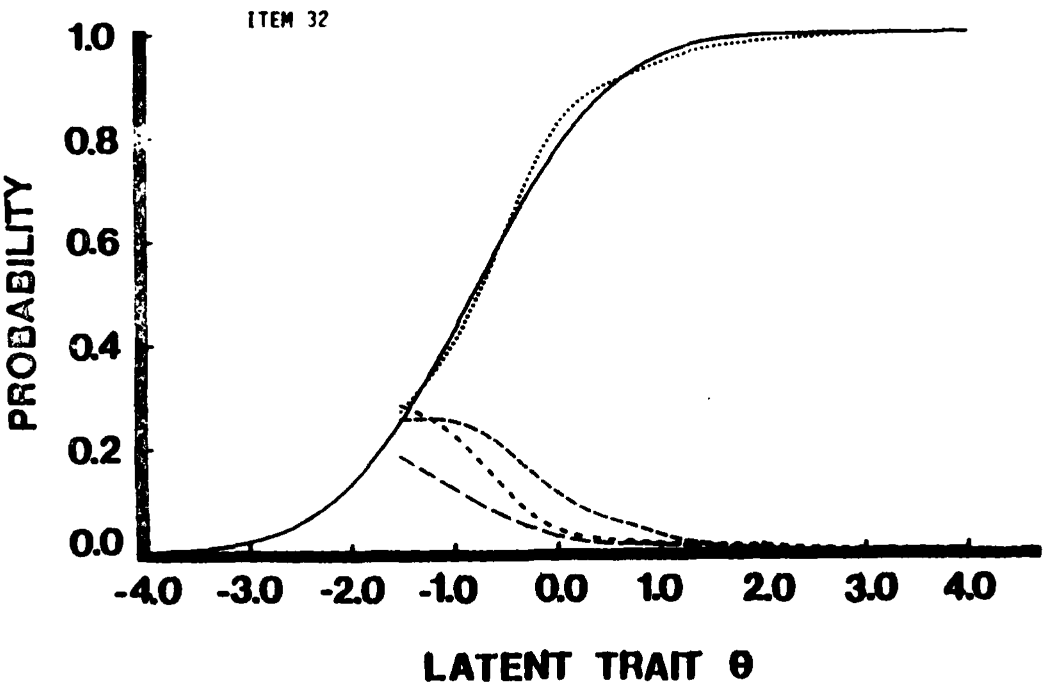

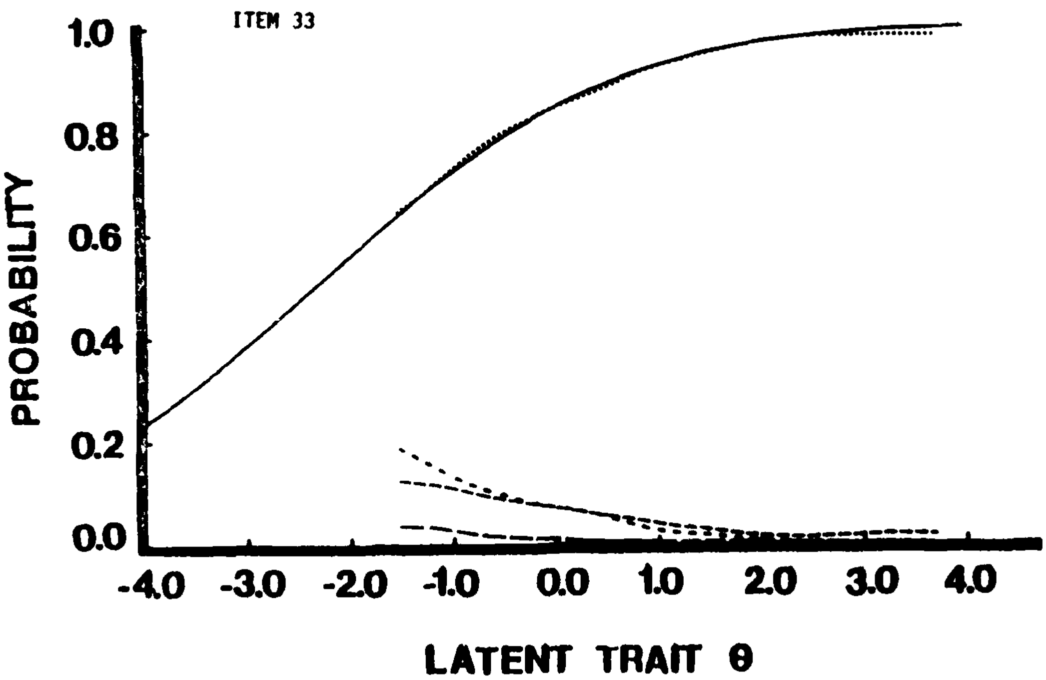

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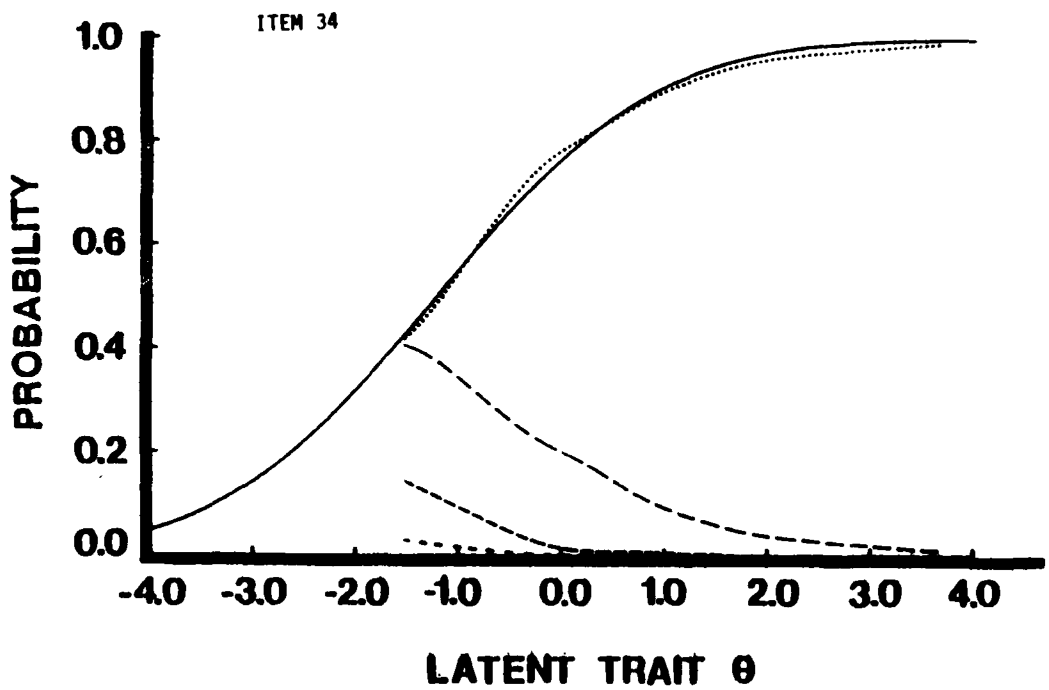

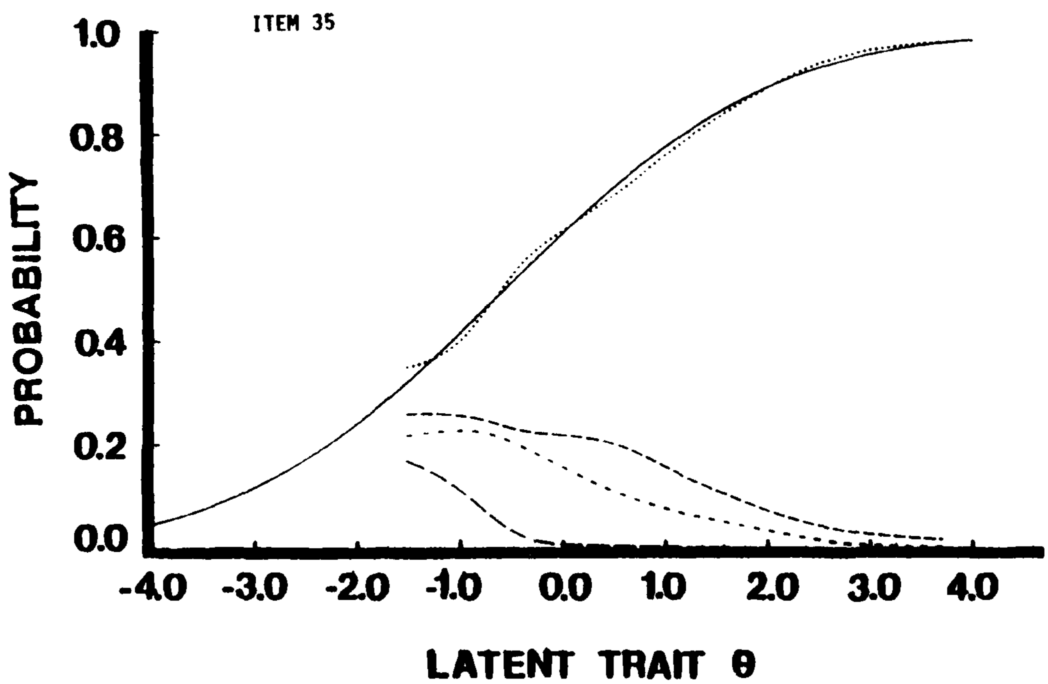

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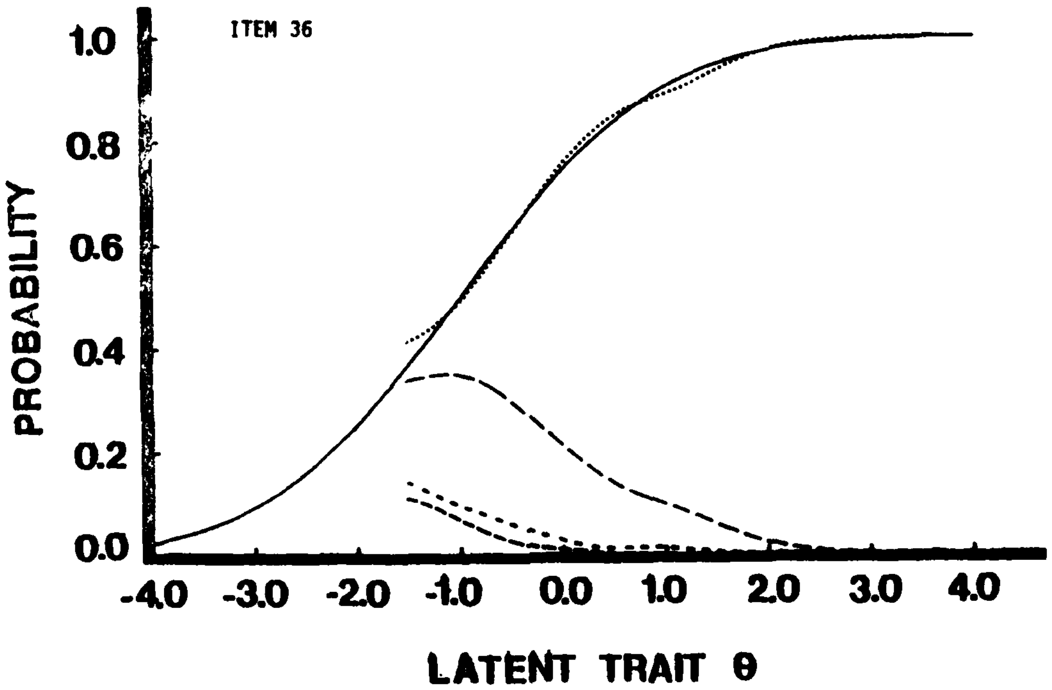

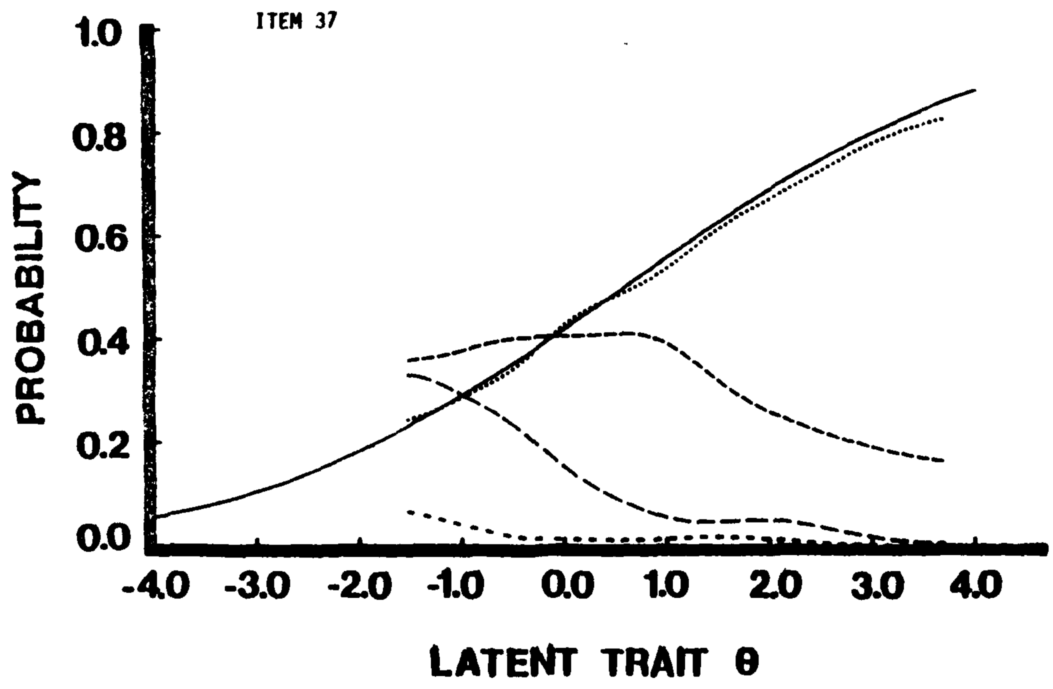

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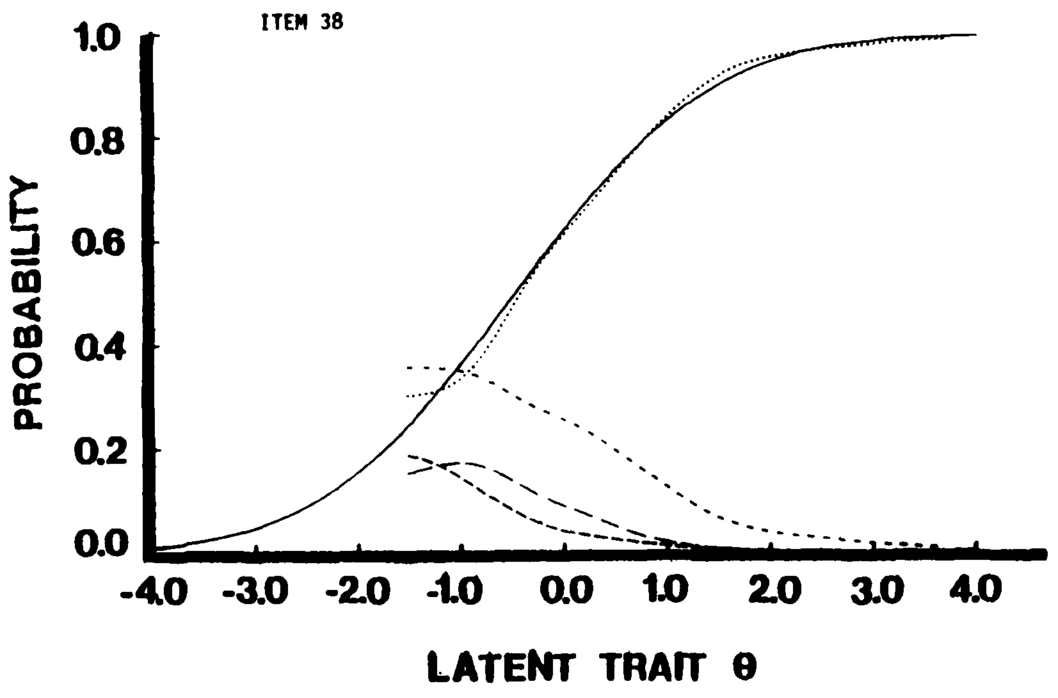

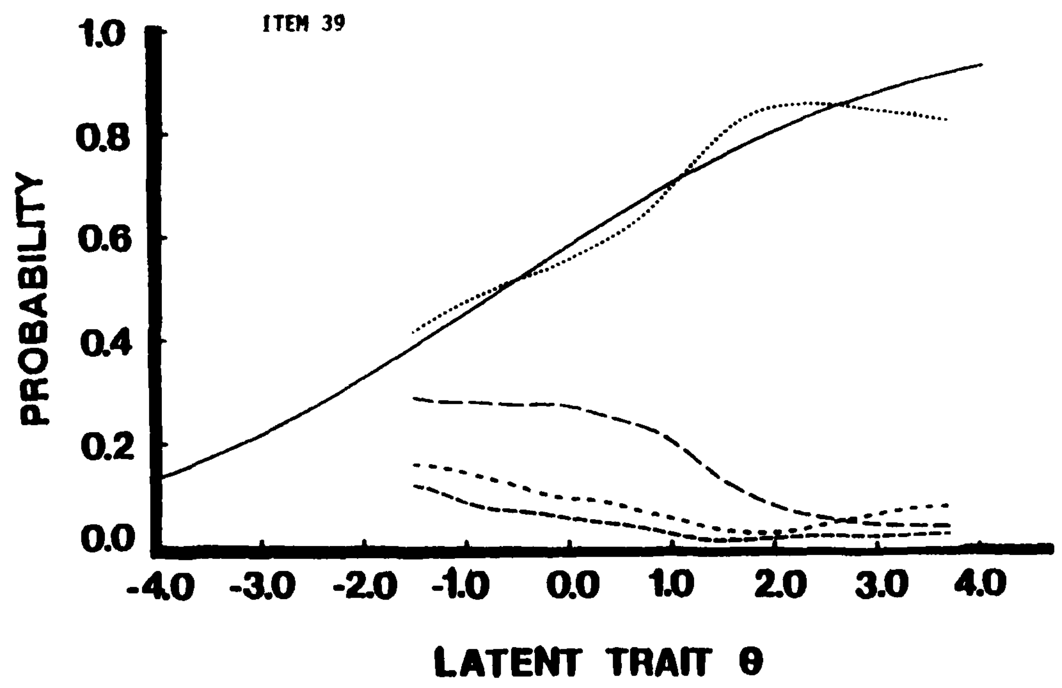

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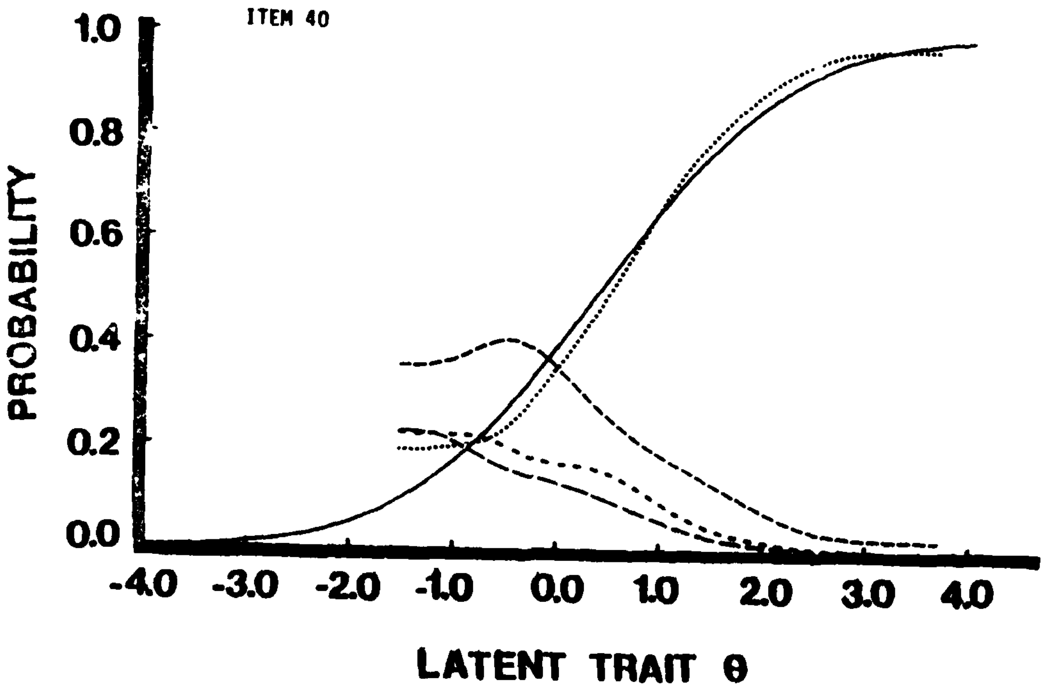

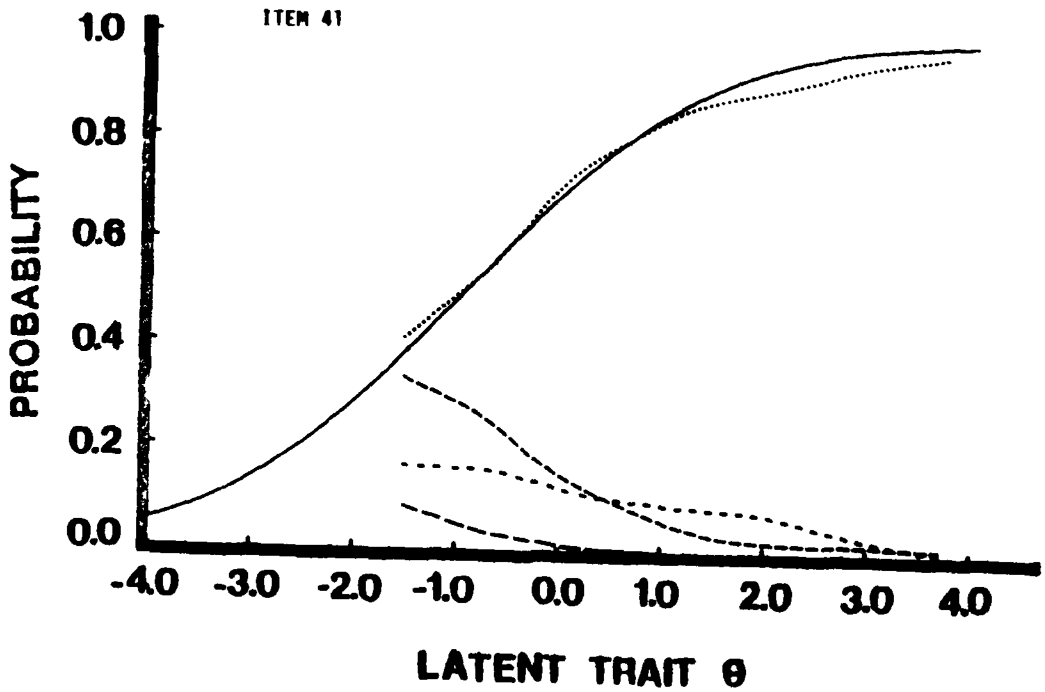

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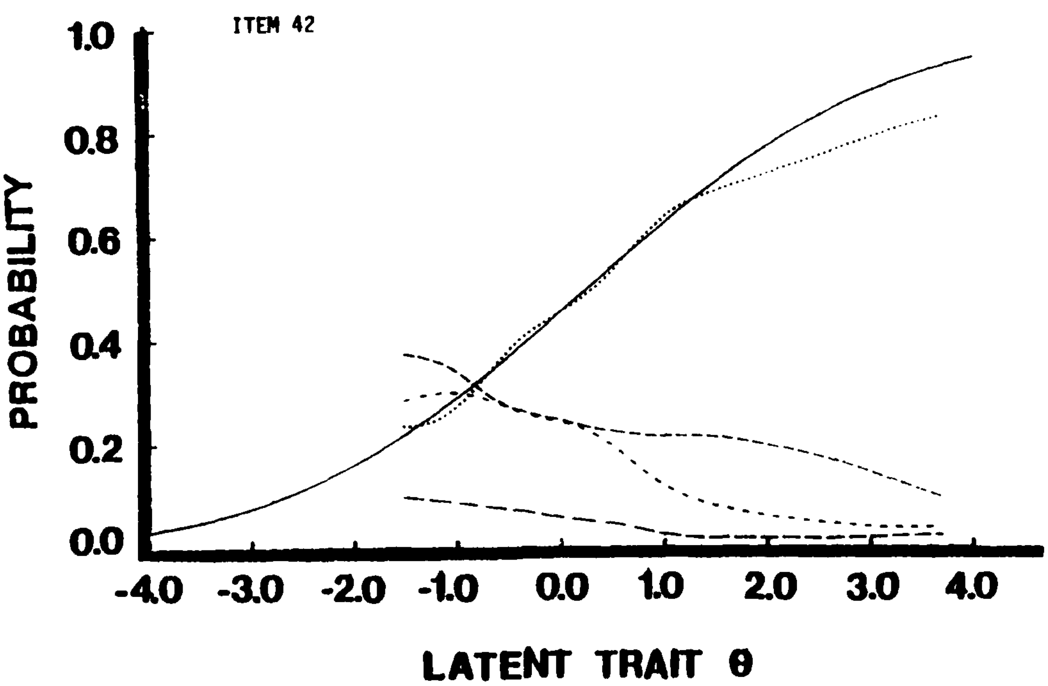

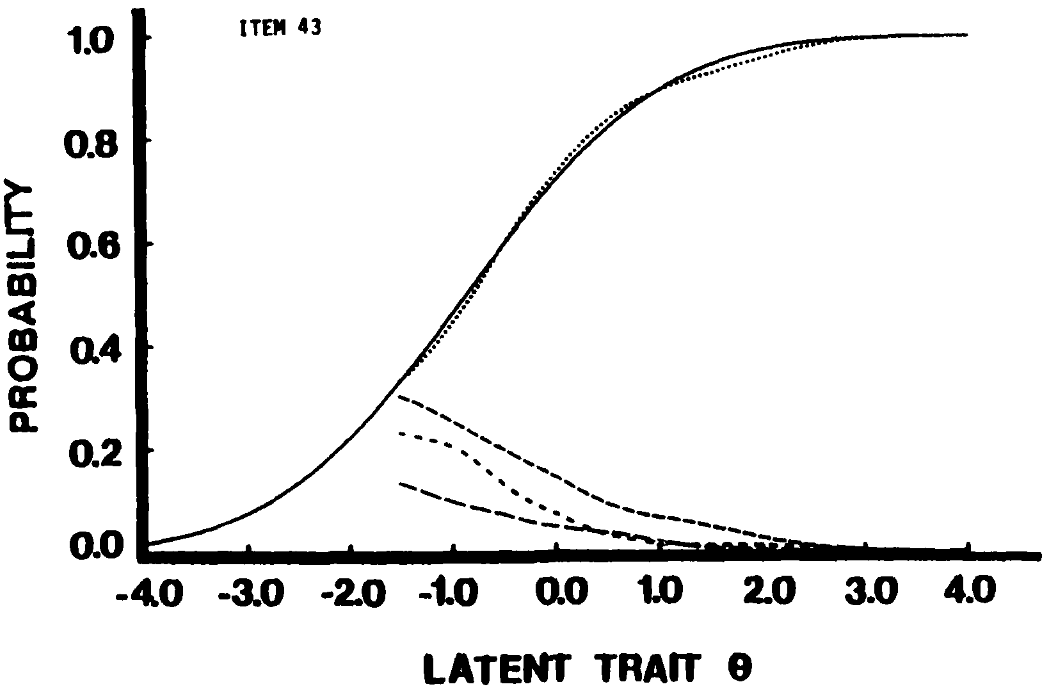

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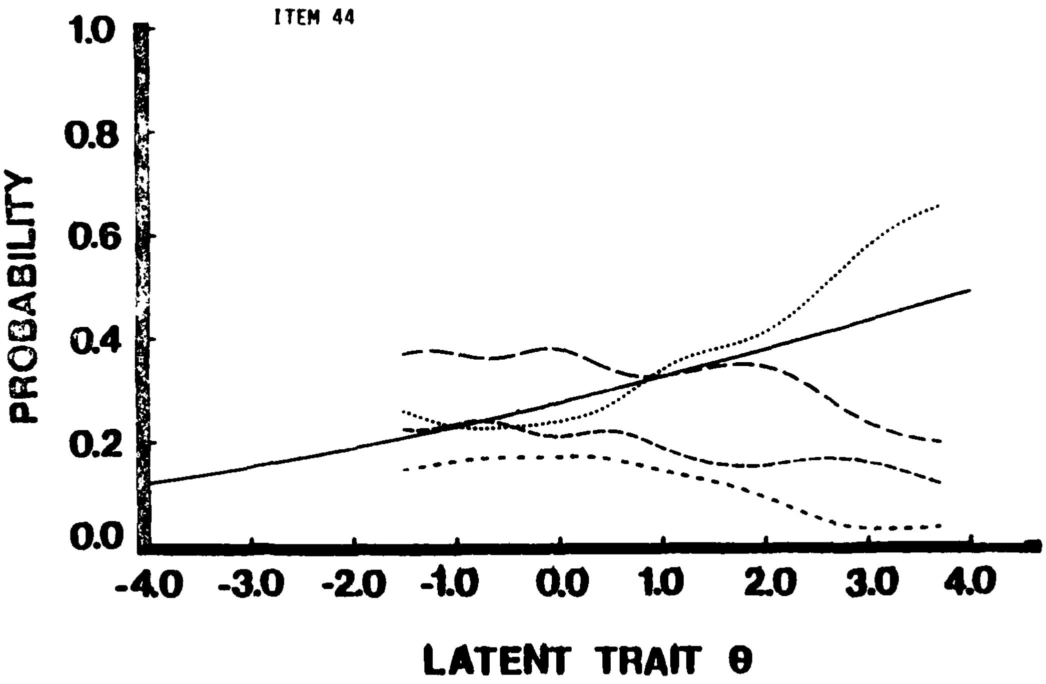

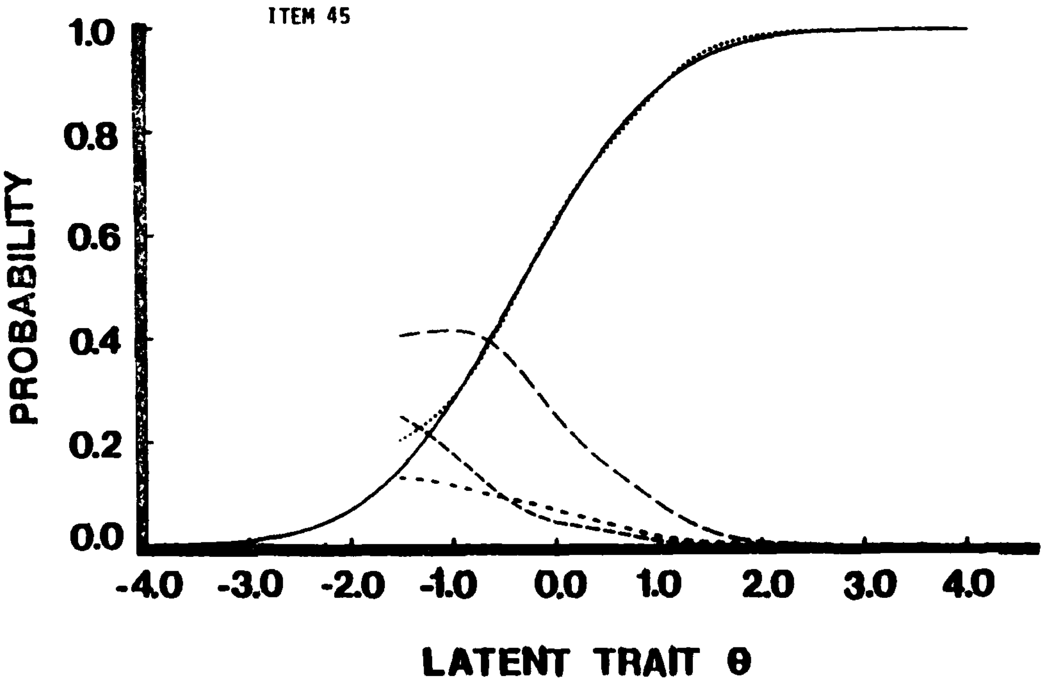

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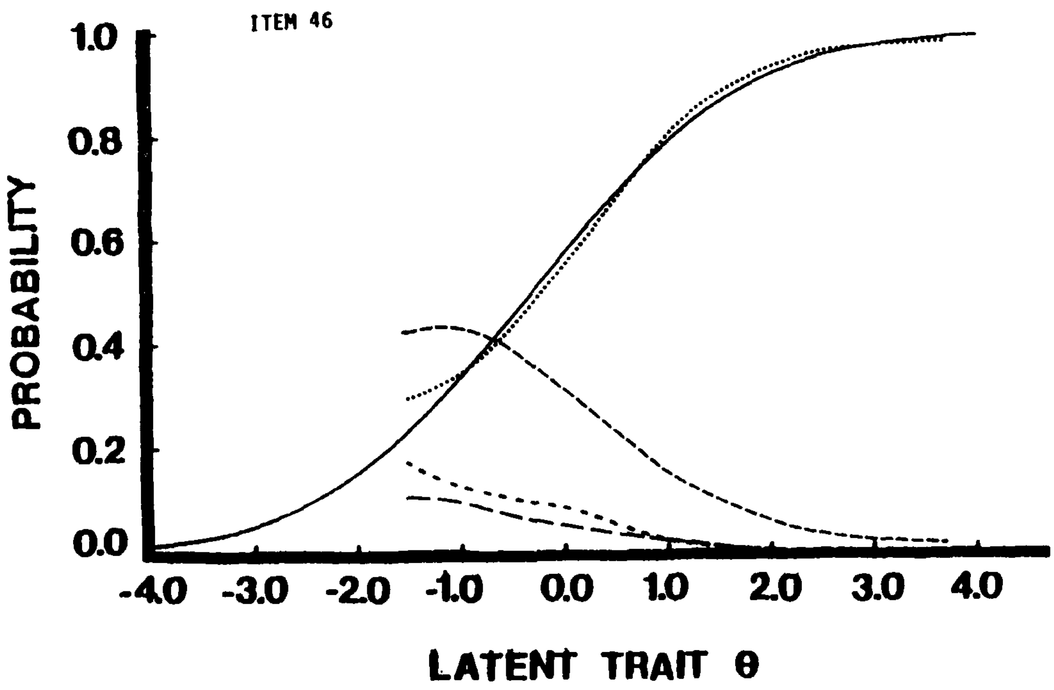

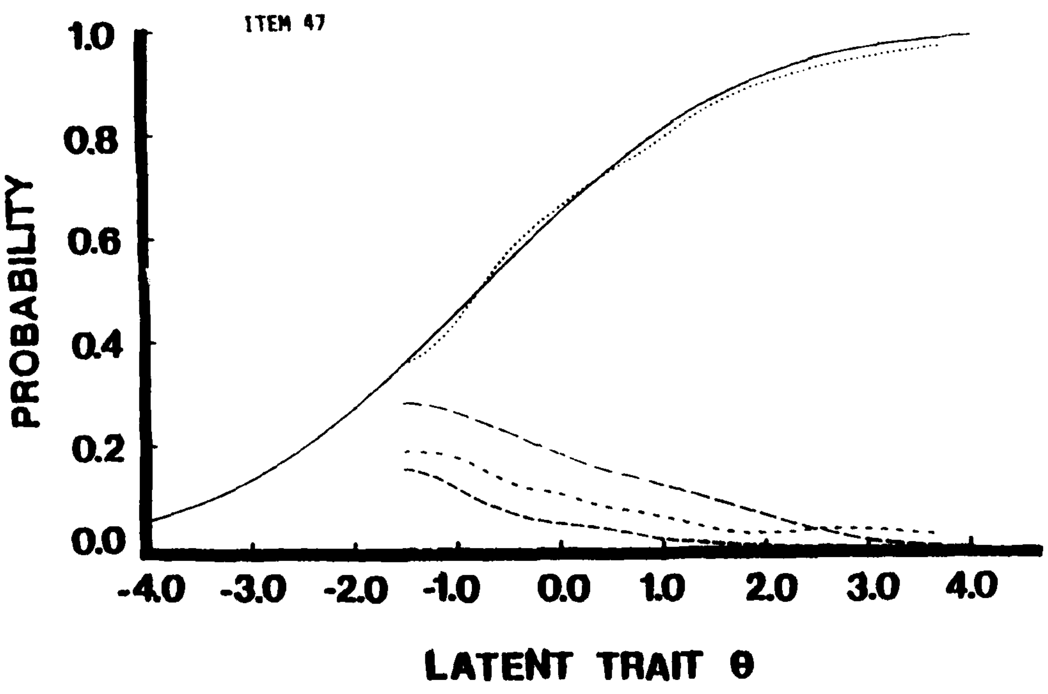

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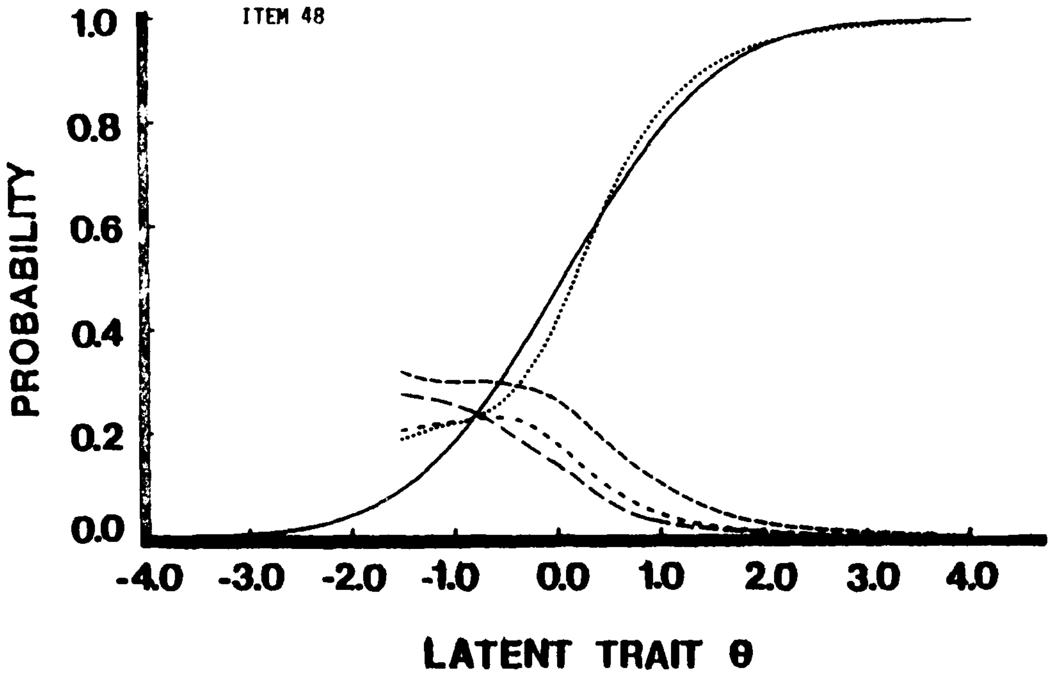

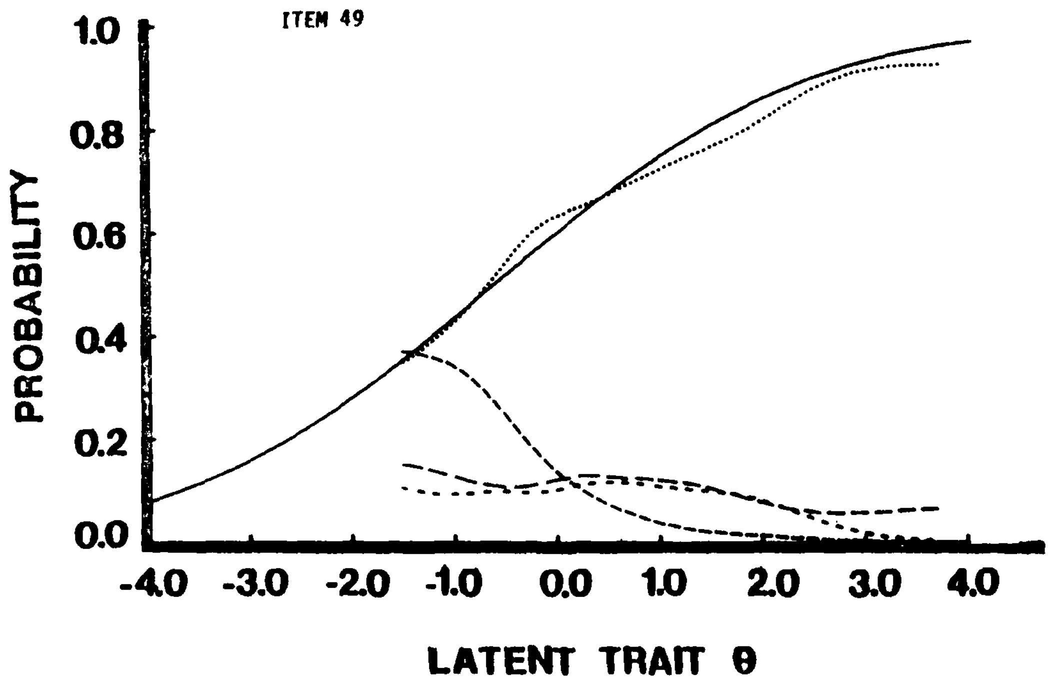

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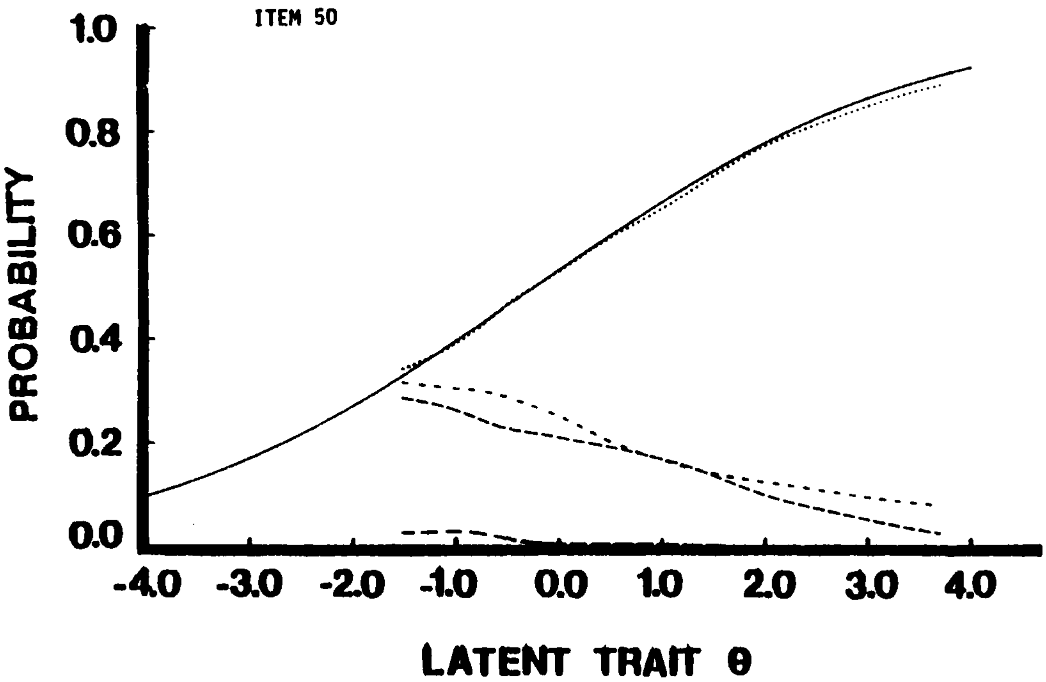

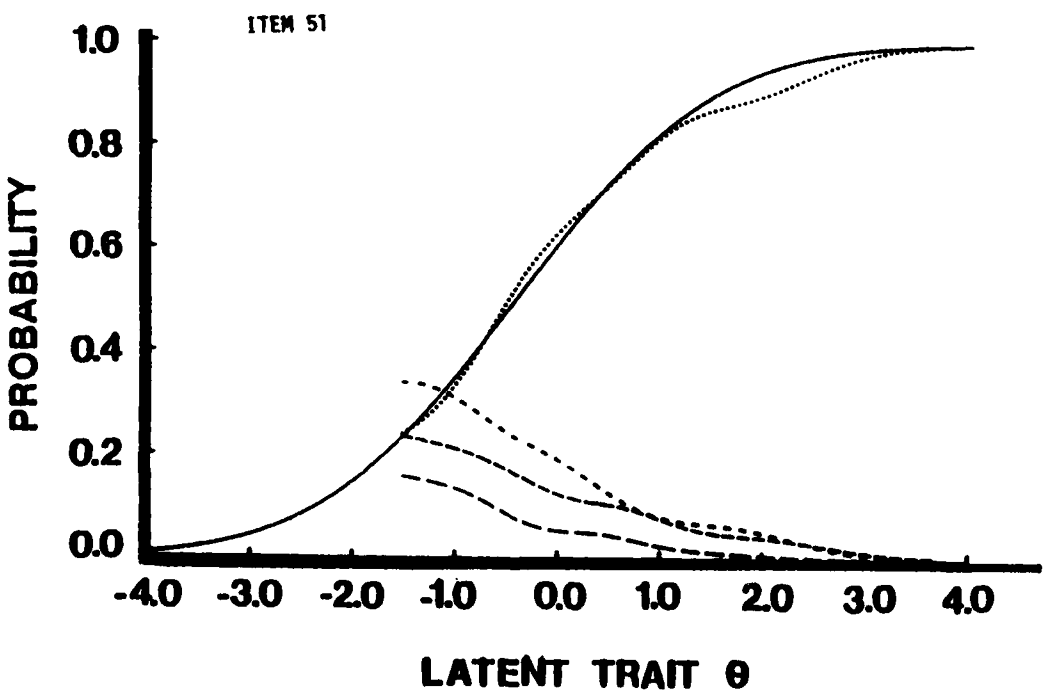

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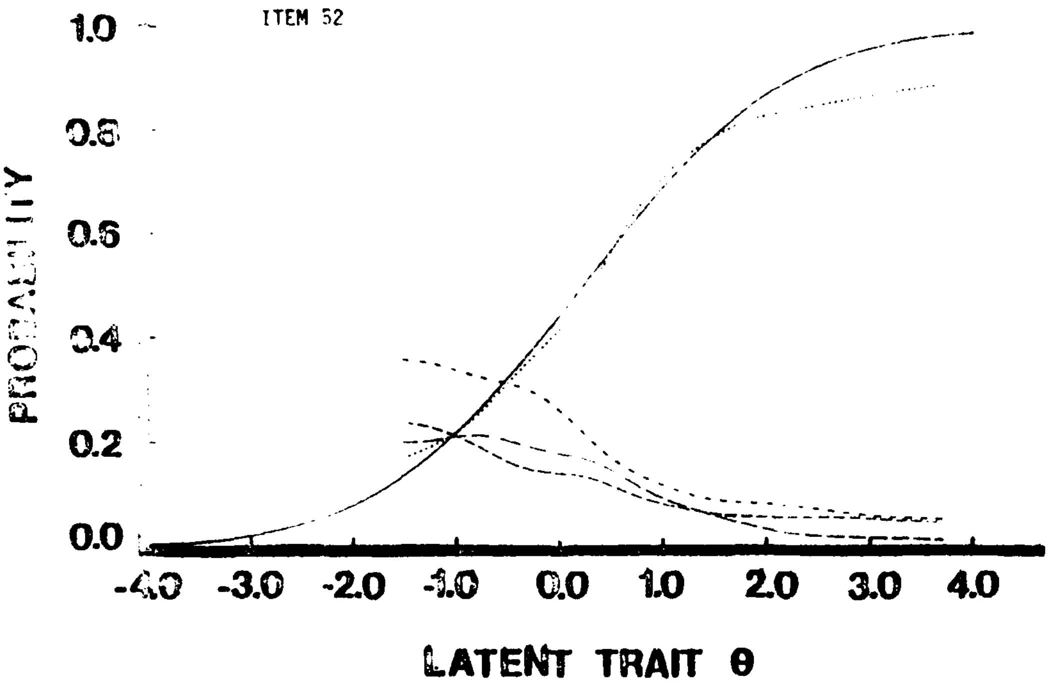

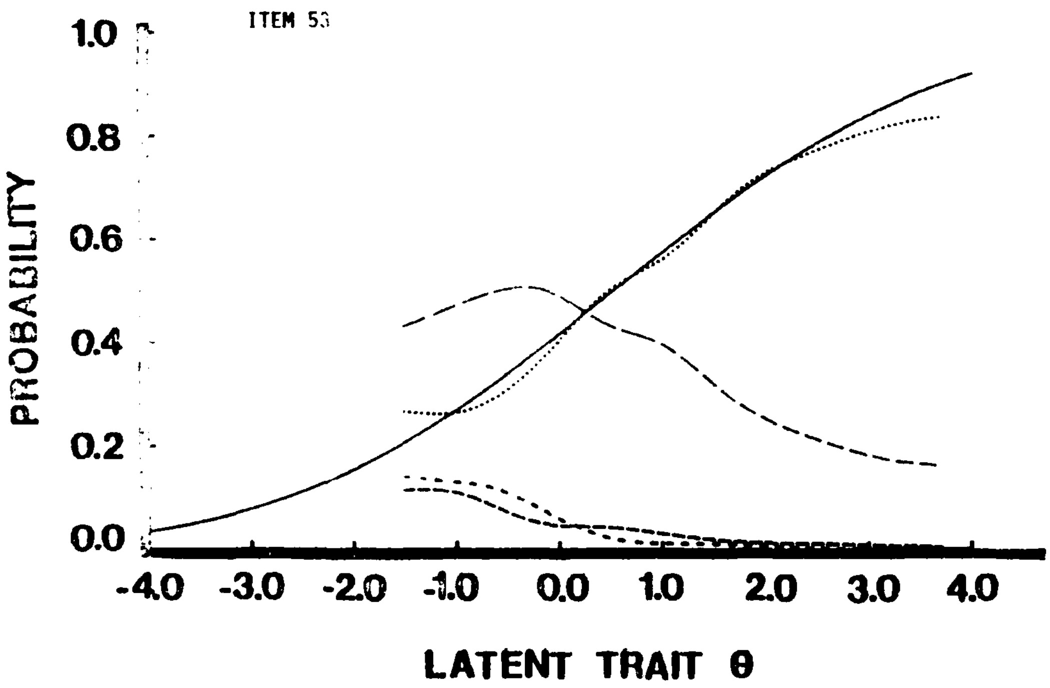

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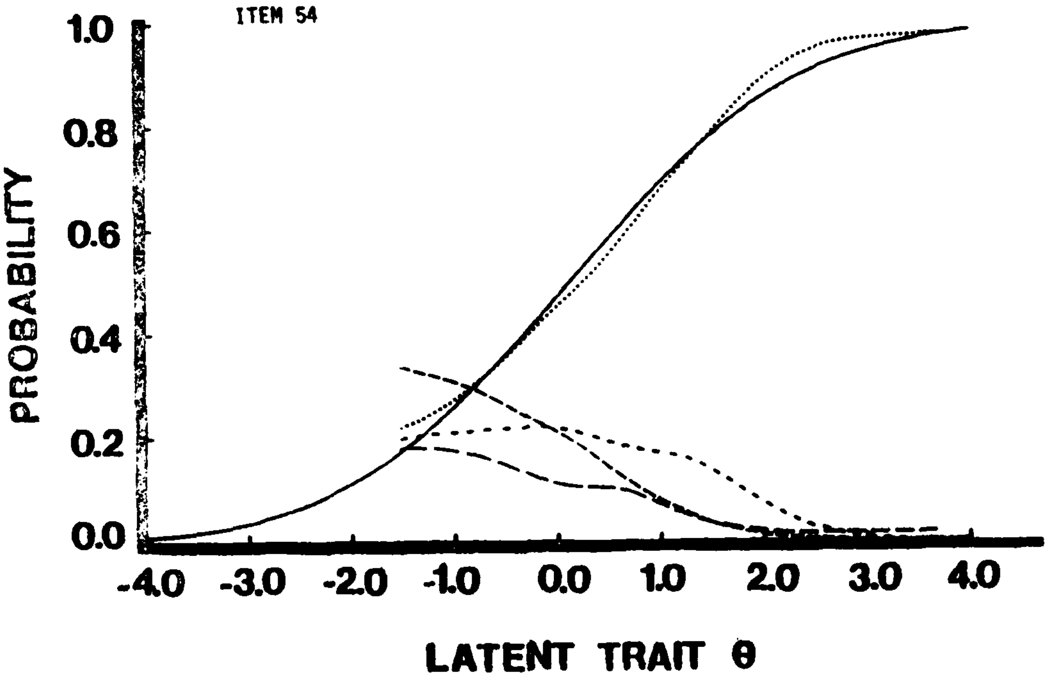

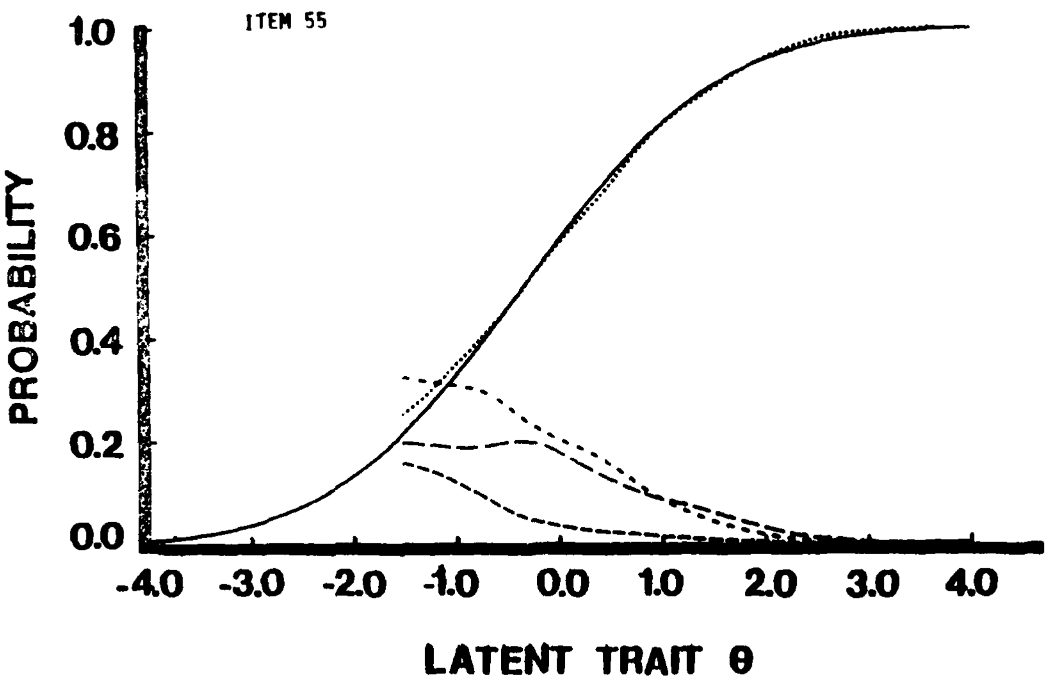

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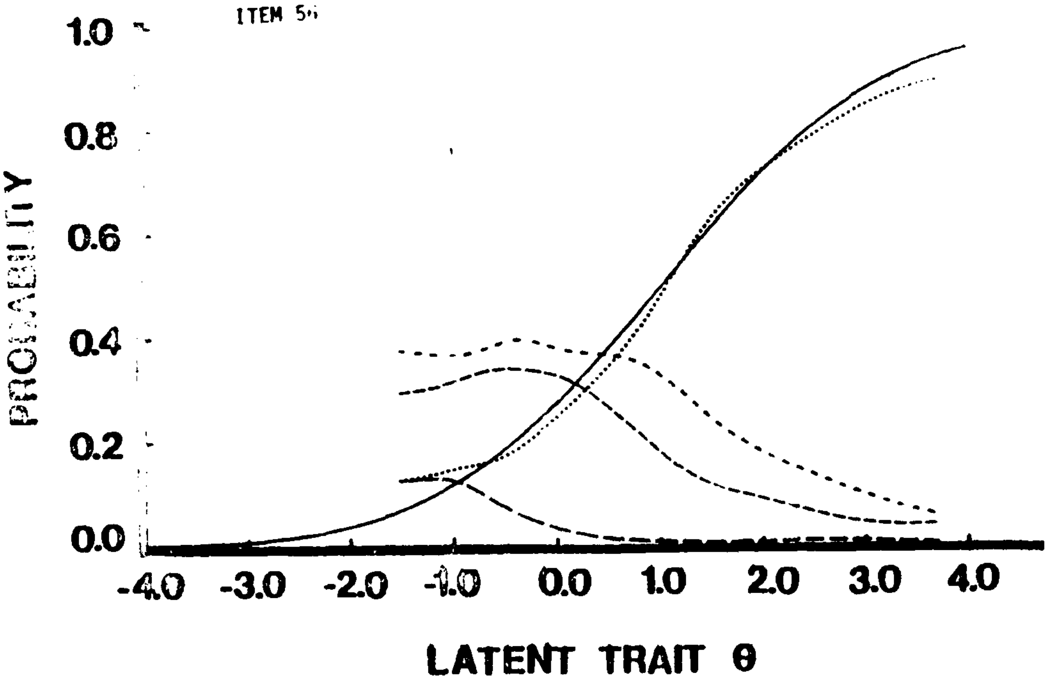

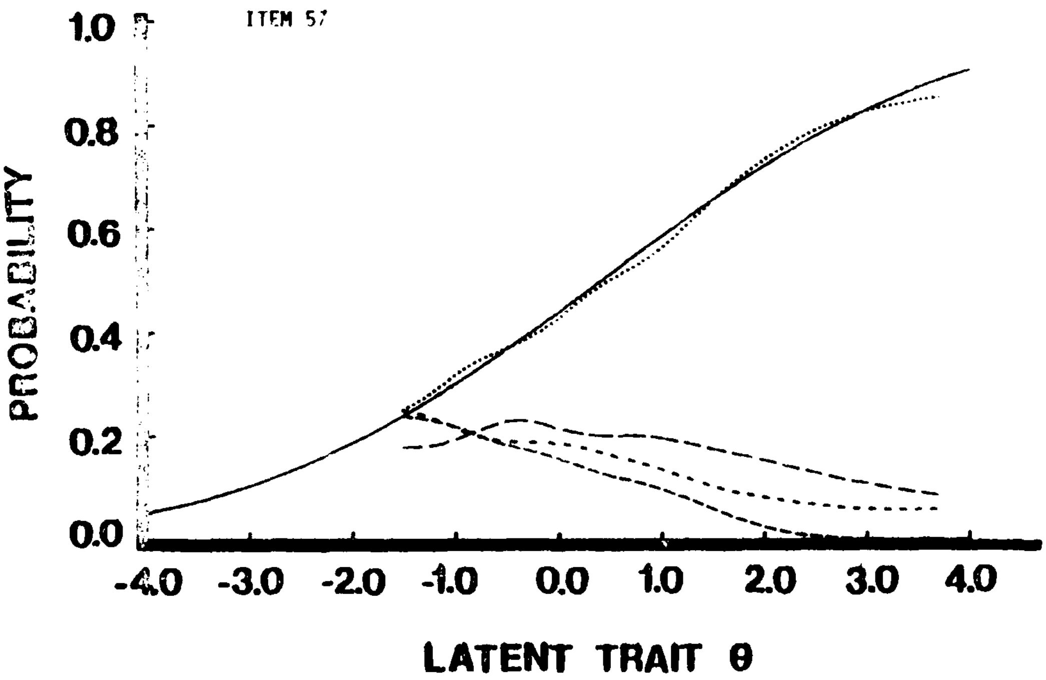

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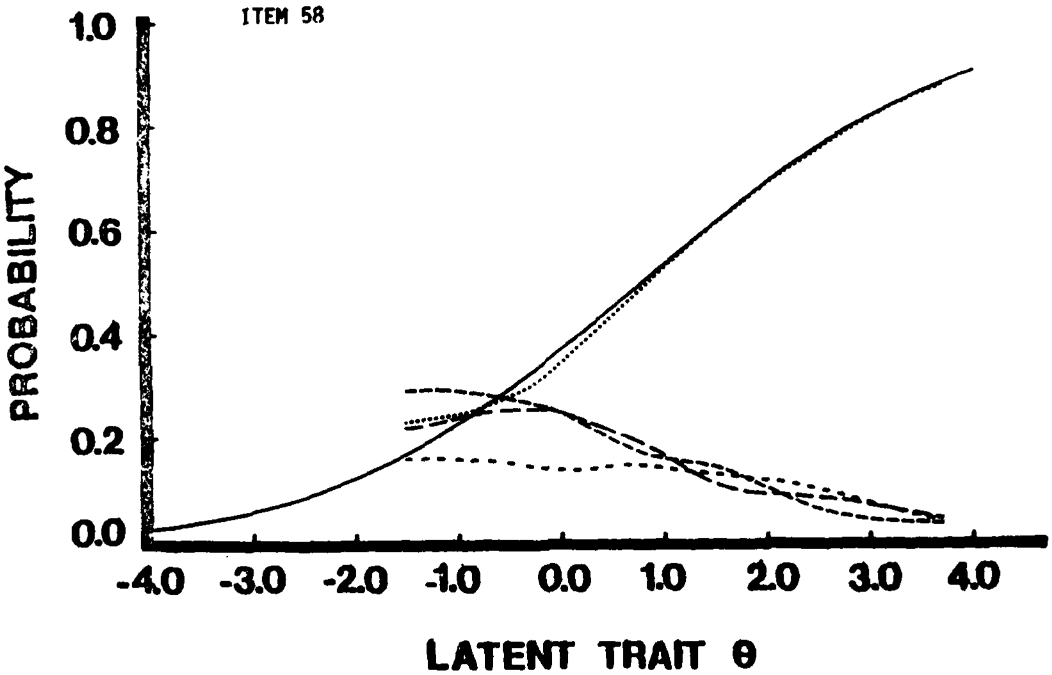

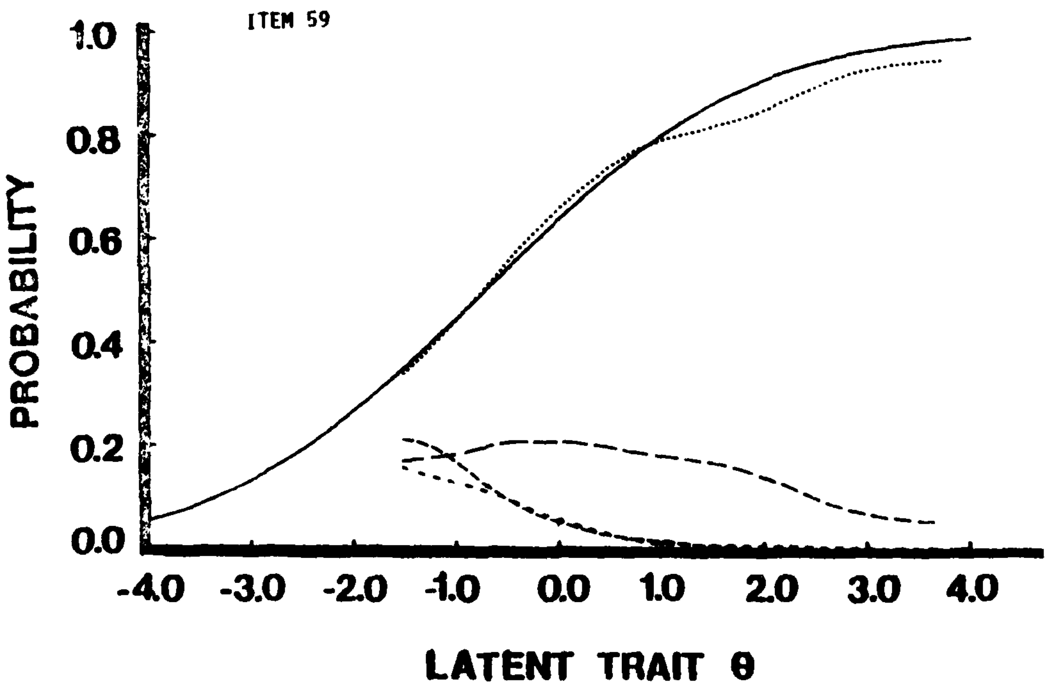

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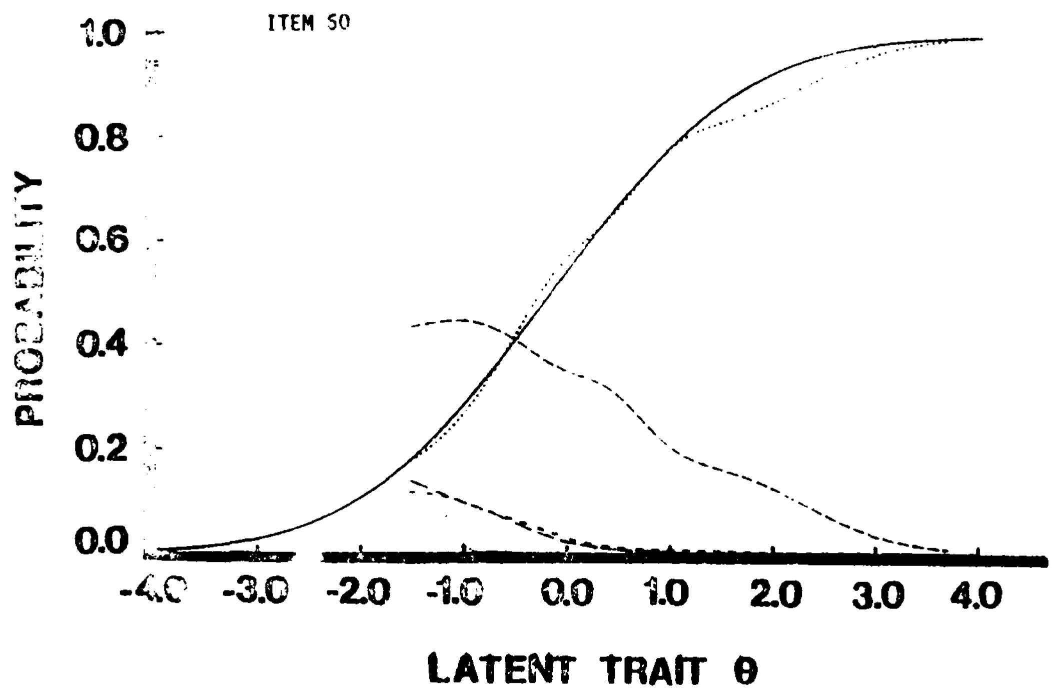

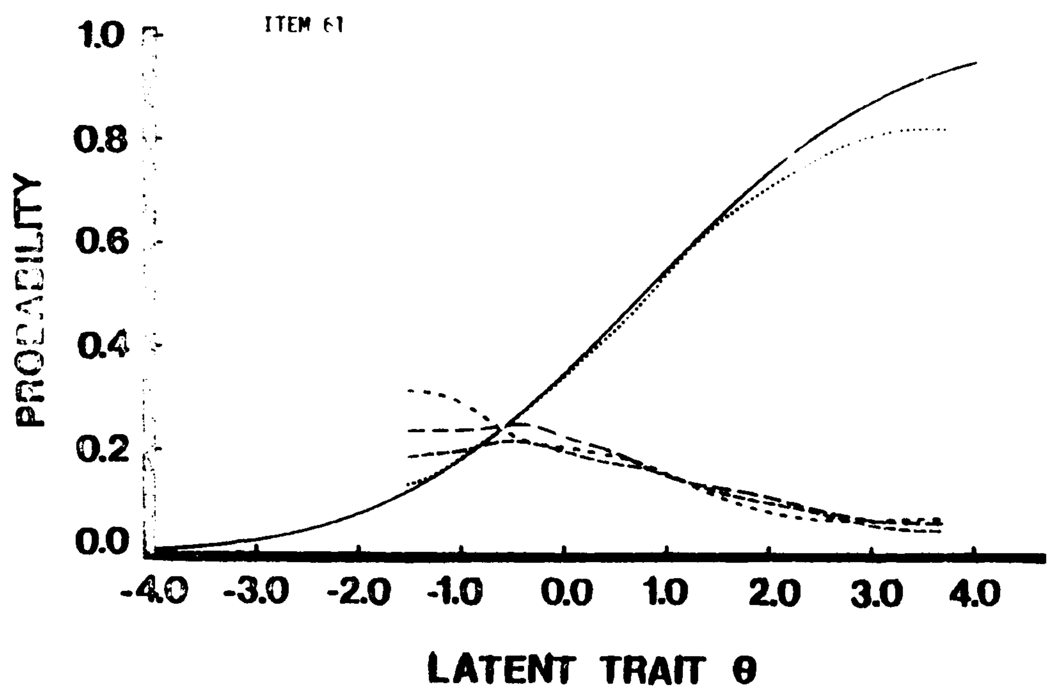

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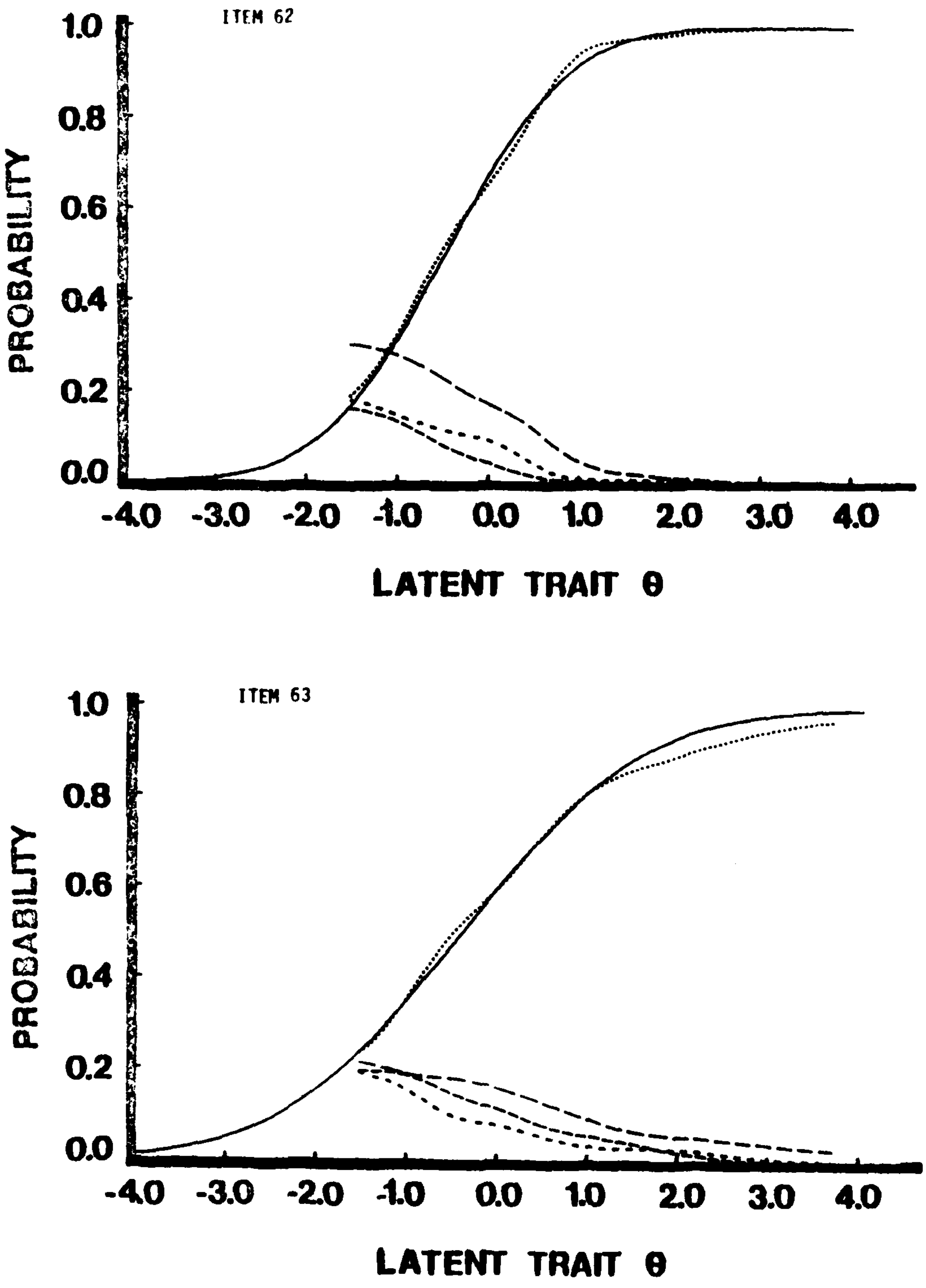

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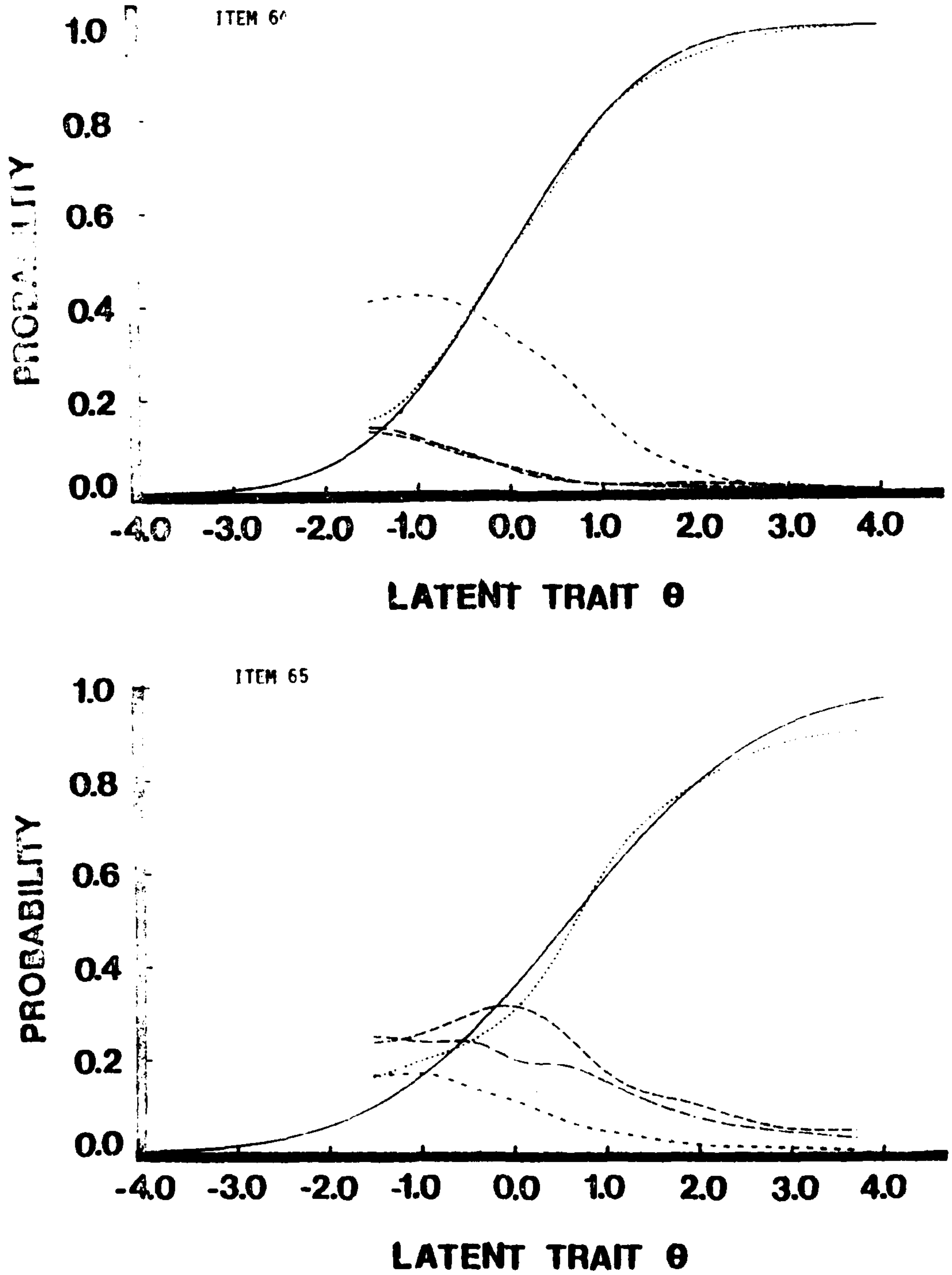

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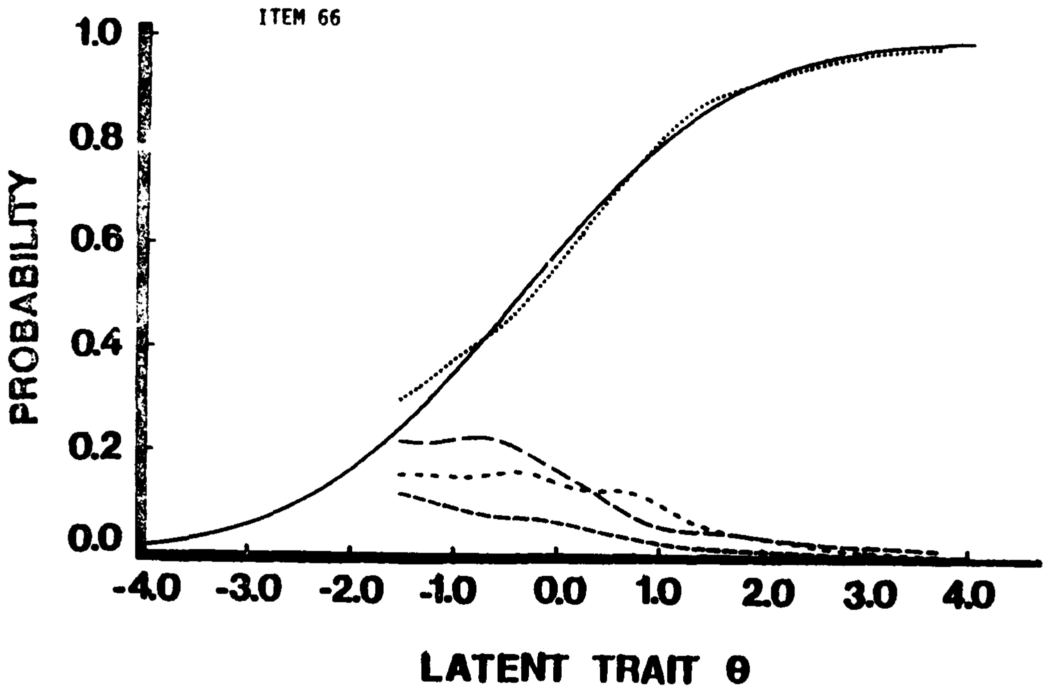

FIGURE 7-1 (Continued)

TABLE 7-2

Distractors Whose Estimated Plausibility Functions Proved to Be Informative, And Those Whose Estimated Plausibility Functions Are Unusually Flat.

Item	Informative	Flat
24		D
25		
26	C	
27	C	
28	B	
29		
30	B	
31	C	
32		
33		
34	D	
35	C	
36	D	
37	C,D	
38	B	
39	D	B,C
40	C	
41	C	B
42	C	C
43		
44	D	B,C,D
45	C	

Item	Informative	Flat
46	C	
47	D	
48	C	
49	C	B,D
50	B,C	
51	B	
52	B	
53	D	
54	C	B
55	B	
56	B,C	
57		B,D
58		B
59		D
60	C	
61	B	
62	D	
63		
64	B	
65	C	
66		

Note that the distractors listed in Table 7-2 are only those which proved to be informative from the results of the present study, in which the estimated operating characteristics are truncated on the lower levels of ability. There is no way of knowing about the information provided by distractors on the levels of ability lower than -1.6, and it is suspected that there are many more informative distractors than those which the present results have disclosed. We shall be able to discover them by analyzing data collected upon a group of younger subjects in future research. Fourthly, we notice that there are some distractors which show unusually flat plausibility functions. They are listed in Table 7-2 under the label, "flat". Somehow those distractors attract high levels of subjects almost equally as they do lower levels of subjects. It will be worthwhile to use this information and go back to the items having such distractors to find out if the alternative answers selected for those items are suitable, or if the question itself is well addressed.

In any case, the above information provides us with valuable resources of item analysis. Effort can be focused upon the improvement of each item using this information, until we find a more informative set of alternatives.

We can see in Figure 7-1 that for some items the implicit orders of the distractors have been disclosed by the present research. For example, in item 46, the alternative C appears to be the second best answer, although the order between the alternatives B and D is not obvious. It may be appropriate to give the graded scores, 0,

1 and 2 , to the combination of B and D , to the alternative C and to the alternative A , respectively, for this item. Thus the three functions, which represent the cumulative operating characteristics assigned to x_{46} (=0,1,2) or greater, were obtained from the result of Figure 7-1 and those graded scores, and are shown in Figure A-2 in Appendix. Similar functions were also obtained for sixteen other items and are shown in the same figure. In those seventeen graphs we can see that for items which were presented later in the subtest the operating characteristics for $x_g \geqslant 0$ decrease as θ decreases, disclosing a strictly decreasing operating characteristic for the "no answer" category.

Because of the confidentiality of the test, here we will not discuss the contents of the alternatives which proved to be informative, or which provide us with unusual configurations of the estimated operating characteristics, and so forth. It might be added, however, that in many cases we can find possible reasons for those characteristics of the estimated plausibility functions, although in some other cases we are rather puzzled.

VIII. Model Validation

We have seen in the results of previous sections that there is enough evidence to support the set of assumptions we adopted in the present research. First of all, the normal ogive model assumed for the Old Test items is well supported by the goodness of fit of the item characteristic functions estimated by assuming the normal ogive

model to those estimated by our combination of nonparametric method and approach. This result supports not only the assumed normal ogive model but also the multivariate normality assumed for the forty-three response tendencies.

It may be more appropriate to repeat the whole procedure after excluding such items as items 44 , 39 and 49 from the Old Test, which do not show very good fits of the normal ogive functions. Considering the fact that there are only a few items of poor fits, however, we cannot expect the repetition of the procedure with the new reduced Old Test to provide us with a substantially different set of results. The decision was made, therefore, against it.

Secondly, the use of the Normal Approach Method is well supported by the estimated conditional moments of τ , given $\hat{\tau}_s$, which are shown in Appendix as Tables A-2 and A-3 and summarized in Table 7-1 in the preceding section.

In order to proceed further in model validation, the following procedure was added. For each pair of items, using their estimated normal deviates, $\hat{\gamma}_g$, which are presented in Table 5-4, and the estimated tetrachoric correlation coefficient between their response tendencies, the two-by-two contingency table is produced from the bivariate normal distribution. The chi-square statistic of the four frequencies in the actual contingency table was computed by using the frequencies in the contingency table thus produced as the "theoretical" values. Since the empirically obtained normal deviates and tetrachoric correlation coefficient are used in obtaining

the "theoretical" frequencies, the resultant statistic should have a negligibly small value, in order for the bivariate normal assumption to be validated.

As it turned out, most of the chi-square values are very small. Table 8-1 presents two such examples, i.e., those chi-square statistics for items 62 and 30 , against each of the other respective forty-two items. In the same table, also presented are two more examples whose chi-square values are largest, i.e., those for items 24 and 44 . In fact, item 44 has unusually large chi-square statistics in its row, as is obvious in this table. It is interesting to note that this item is the one which provides us with the poorest fit of the normal ogive curve to the nonparametrically estimated item characteristic function, as we have seen in Figure 7-1. In contrast to this, item 24 provides us with a surprisingly good fit, as is also seen in Figure 7-1. It is worth noting that these two items are the items whose estimated difficulty parameters are by far the largest in absolute value (cf. Table 5-4). Similar results for the other items are given in Appendix as Table A-4. In this table, all the chi-square statistics greater than, or equal to, 0.1 are circled. We can see that many items have small chi-square values against other items, except for those against items 44 and 24 .

In order to investigate the relationship between the chi-square value and the goodness of fit of the normal ogive curve to the nonparametrically estimated item characteristic function, all the forty-three Old Test items are categorized into four classes, i.e.,

TABLE 8-1

Four Examples of the Sets of Chi-Square Statistics, Showing Good Fits (Items 62 And 30) And Bad Fits (Items 24 And 44) to the Bivariate Normality.

Item 62

0.00918	0.00206	0.00260	0.00256	0.00174	0.00152	0.00124	0.00168	0.00110	0.00336
0.00280	0.00298	0.00198	0.00764	0.00189	0.00609	0.00321	0.00181	0.00414	0.00152
0.14038	0.00129	0.00196	0.00369	0.00181	0.00331	0.00593	0.00269	0.00219	0.00555
0.00314	0.00159	0.00289	0.00665	0.00524	0.00218	0.00182	0.00358	*******	0.00147
0.00127	0.00224	0.00204							

Item 30

0.01794	0.00124	0.00174	0.00200	0.00176	0.00142	*******	0.00107	0.00124	0.00600
0.00222	0.00348	0.00228	0.00588	0.00205	0.00635	0.00257	0.00452	0.00411	0.00217
0.07956	0.00126	0.00221	0.00188	0.00162	0.00336	0.00399	0.00215	0.00227	0.00363
0.00305	0.00177	0.00363	0.00485	0.00401	0.00254	0.00174	0.00350	0.00124	0.00193
0.00144	0.00298	0.00281							

Item 24

*******	0.02309	0.18162	0.70985	0.01323	0.01246	0.01794	0.15688	0.04920	0.16785
0.01971	0.13859	0.01066	0.02627	0.03445	0.09895	0.02763	0.02447	0.01853	0.03045
0.88370	0.02561	0.05016	0.03250	0.04378	0.02991	0.73564	0.02281	0.03418	0.20828
0.03535	0.03341	0.01863	0.04813	0.13741	0.01430	0.01466	0.11926	0.00918	0.02732
0.02255	0.03192	0.02357							

Item 44

0.88370	0.04498	0.22610	0.13053	0.13433	0.29440	0.07956	0.02398	0.71174	0.03705
0.05161	0.03860	0.20463	0.01998	0.02249	0.30588	0.01853	0.06475	0.02390	0.06416
*******	0.50696	0.01871	0.10999	0.02130	0.23743	0.04560	0.02542	0.03617	0.09646
0.02215	0.02188	0.03187	0.01408	0.02610	0.07153	0.15061	0.05051	0.14038	0.04156
0.09809	0.01736	0.02086							

good, fairly good, fairly poor and poor, with respect to the goodness of fit inspected by the eye in Figure 7-1. Table 8-2 presents the item numbers thus categorized with respect to the goodness of fit and the frequencies of chi-square values greater than, or equal to, 0.1 . We can see in this table that there is a negative correlation between the goodness of fit and the frequency of chi-square values which are greater than, or equal to, 0.1 , the result which is logically expected. On the other hand, it is worth noting that there are a substantial number of items which have high frequencies of large chi-square statistics, and yet showing good fits of the normal ogive functions. This appears to indicate the robustness of the whole procedure used in the present research.

We notice from Table A-4 that most circles will disappear if we exclude those items which have thirteen or more circles in their rows. In fact, there are some which will not have any circles in their rows at all if we solely exclude items 44 and 24 . For convenience, such items are categorized as Group A. If we further exclude those items having 19 to 21 circles in their rows, i.e., items 39 , 50 , 57 , 33 and 37 , then there will be more items which do not have any circles in their rows at all. This second group is called Group B. Similarly, Group C consists of the items which will not have any circles in their rows if we further exclude the items having 13 to 16 circles in their rows, i.e., items 53 , 35 , 42 , 49 and 58 . The rest of the items are categorized as Group D. Table 8-3 presents the item numbers of the thirty-one items classified

TABLE 8-2

Item Numbers Categorized with Respect to the Frequencies of the Chi-Square Statistics Which Are Greater Than or Equal to 0.01, And Also to the Goodness of Fit of the Normal Ogive Curves to the Estimated Operating Characteristics of the Correct Answer Obtained By the Simple Sum Procedure of the Conditional P.D.F. Approach Combined With the Normal Approach Method.

Frequency	Good	Fairly Good	Fairly Poor	Poor
1	62			
2	29, 30, 31, 45, 64	48		
3	25, 32, 46	60		
4	28, 36, 43	40		
5	55, 66	51, 52, 54, 61		
6	26, 38	41, 56, 63		
7		27, 65		
8		59		
9	34, 47			
13	58	42	49	
15	35			
16		53		
19	37			
20	33			
21	50, 57		39	
41	24			
42				44
Total Number	25	15	2	1

TABLE 8-3

Item Numbers of the Thirty-One Items Categorized with Respect to the Groups They Belong to, and Also to the Goodness of Fit of the Normal Ogive Curves to the Estimated Operating Characteristic of the Correct Answer Obtained By the Simple Sum Procedure of the Conditional P.D.F. Approach Combined with the Normal Approach Method.

Group	Good	Fairly Good
A	29, 30, 31, 45, 62, 64	48
B	25, 36, 46, 55, 66	60
C	26, 28, 32, 38, 43	40, 41, 51, 52, 54, 59, 61, 63, 65
D	34, 47	27, 56
Total Number	18	13

with respect to the above categorization and the goodness of fit. There is a substantial difference between the goodness of fit of Group C and those of Groups A and B, as is expected.

We can say that the results of this additional process further support our whole procedure used in the present research.

IX. Discussion and Conclusions

A set of data based upon the Level 11 Vocabulary Subtest of the Iowa Tests of Basic Skills was analyzed, using the Simple Sum Procedure of the Conditional P.D.F. Approach combined with the Normal Approach Method, and the plausibility functions of the distractors of these items were estimated. In so doing, the same set of test items was used twice, i.e., once as the dichotomized Old Test items and then as the polychotomous test items whose characteristics are to be discovered. The results proved that most of the test items are not likely to follow the Equivalent Distractor Model, to which the three-parameter logistic or normal ogive model belongs. In fact, we have discovered many distractors which are informative, and the results suggest that most of these items follow the Informative Distractor Model. Model validation was performed from several different angles, and positive results were obtained.

Methodologies involved in the present study appear to be promising, and they will find their usefulness in many other future studies. It is the author's belief that more test data should be analyzed with the kind of rigorousness involved in the present study.

Since the results indicate that these test items belong to the Informative Distractor Model, the next logical step will be to find out how we can make the best use of the information obtainable from the distractors as well as from the correct answers, in order to increase the efficiency of ability estimation.

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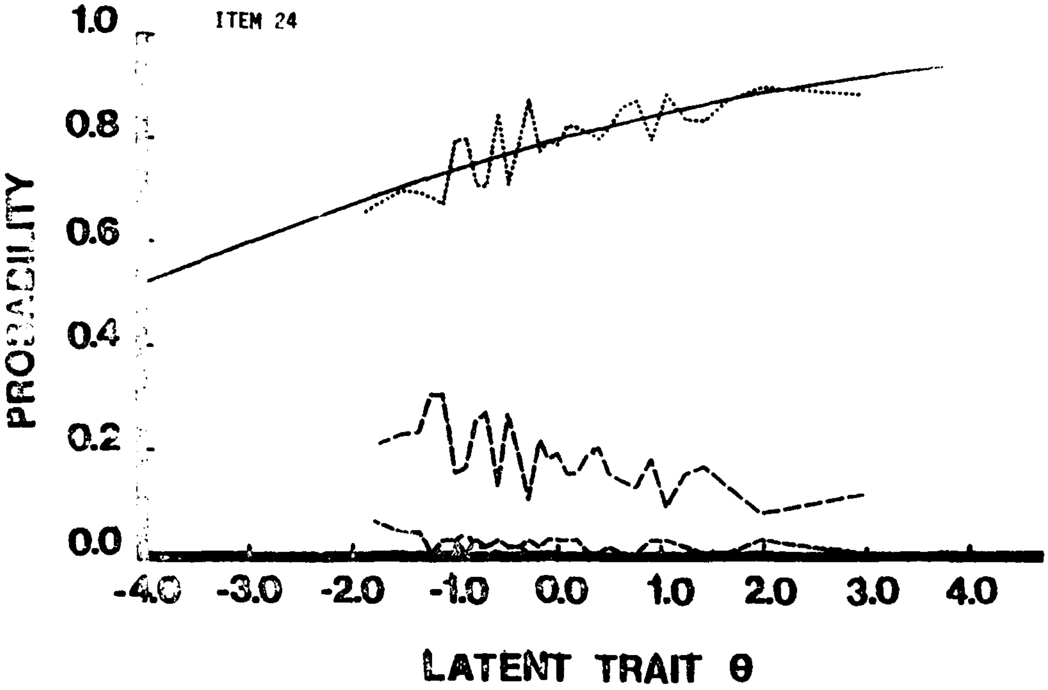
APPENDIX



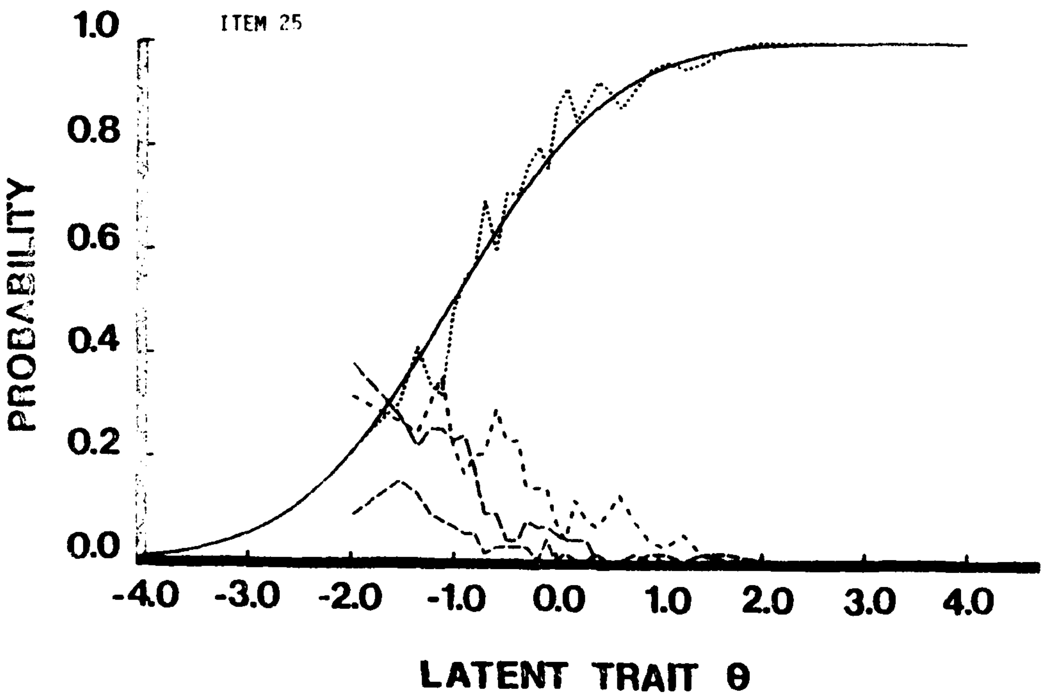
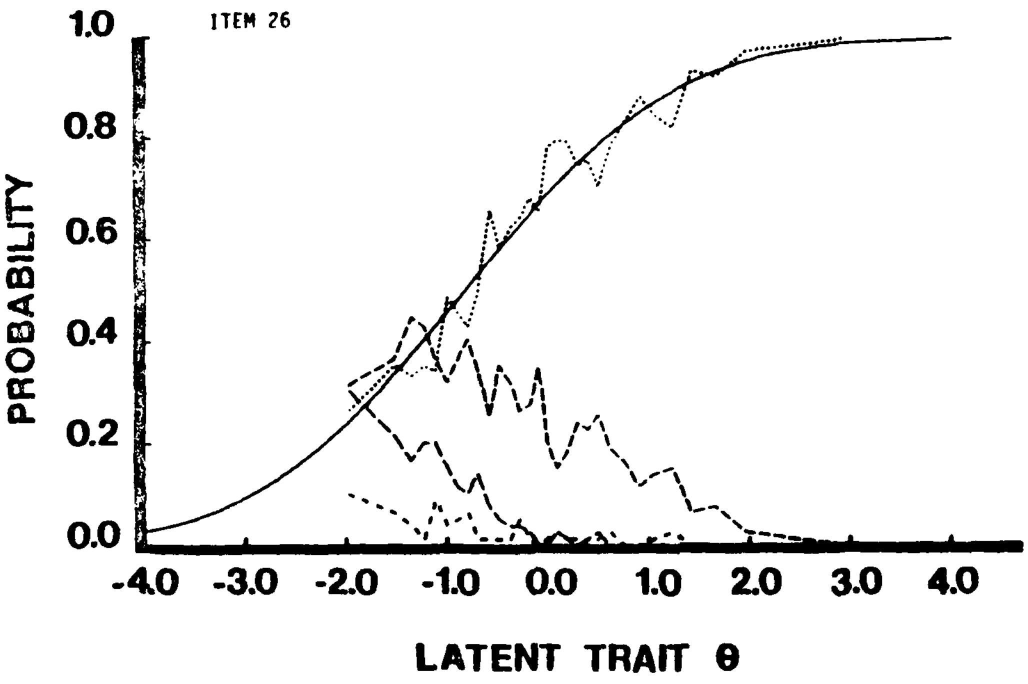
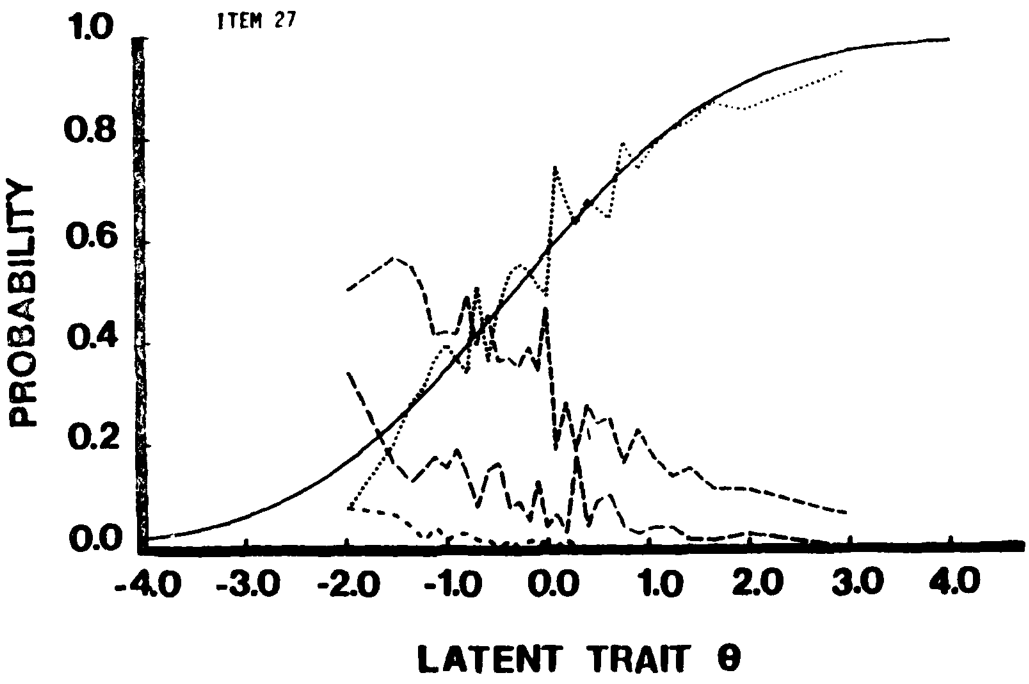


FIGURE A-1

Frequency Ratios of the Maximum Likelihood Estimate $\hat{\theta}$ with Respect to the Choice of Each Alternative Answer, Together with the Item Characteristic Function (Solid Line) in the Normal Ogive Model with the Estimated Parameters. All the 2,361 Subjects Are Categorized into Thirty Unequal Subintervals of $\hat{\theta}$, Each of Which Contains 78 or 79 Subjects. The Mean of $\hat{\theta}$ Is Used As the Representative Value of Each Subinterval. The Ratios for the Correct Answer Are Plotted by Dots.





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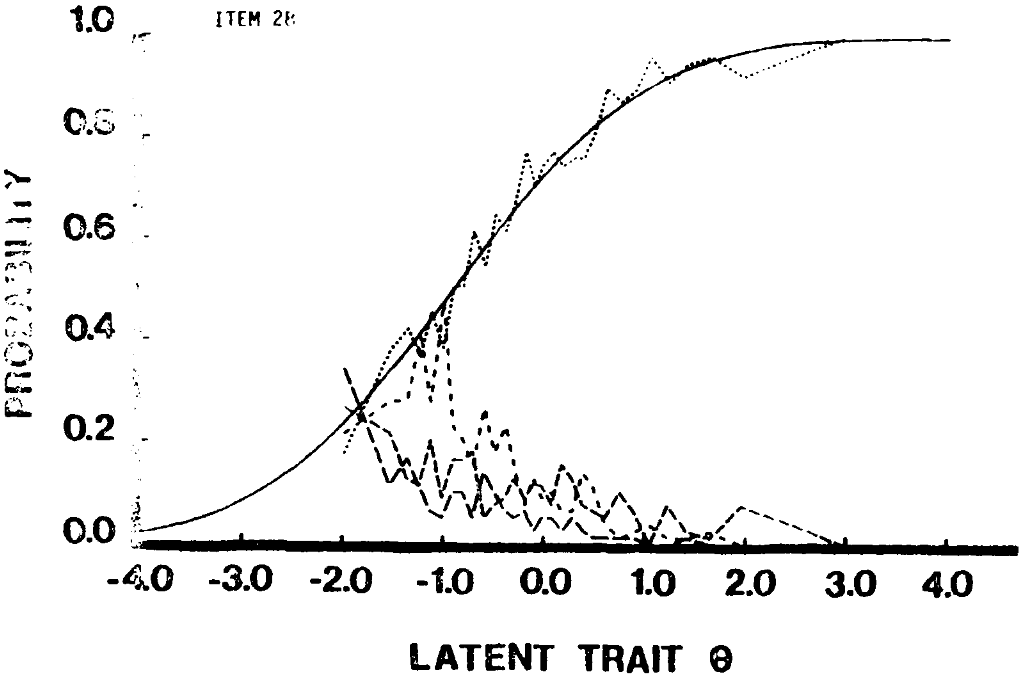

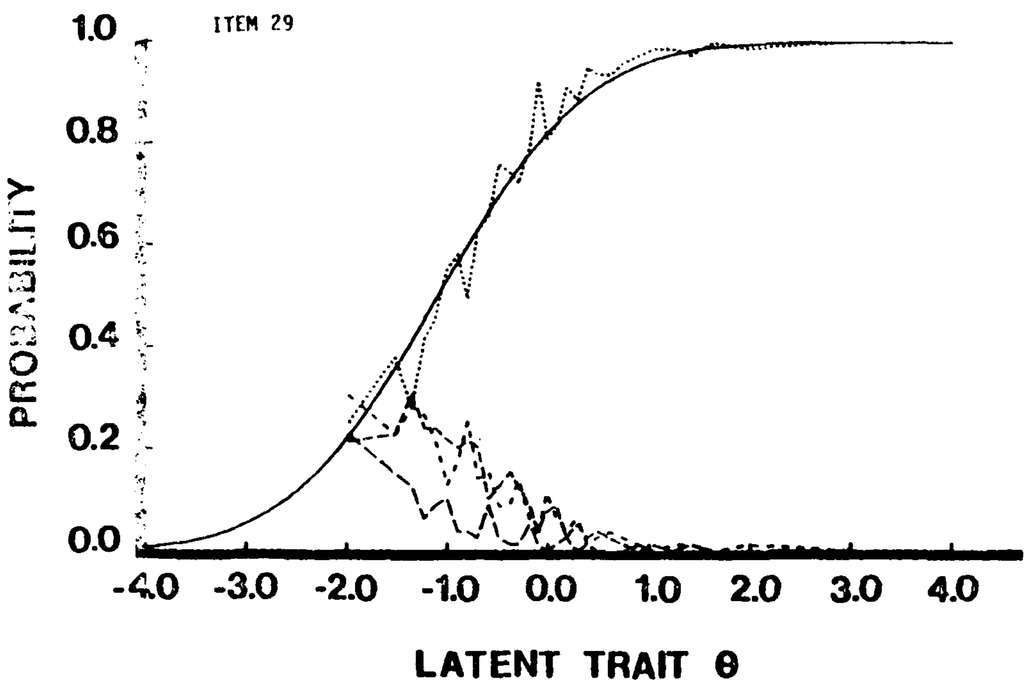

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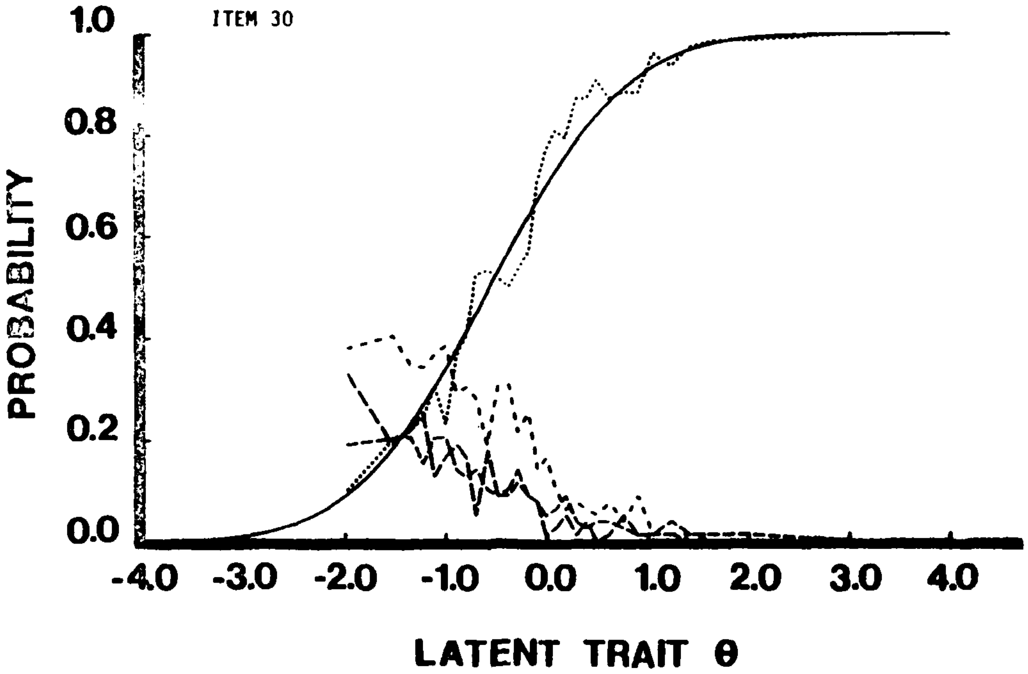

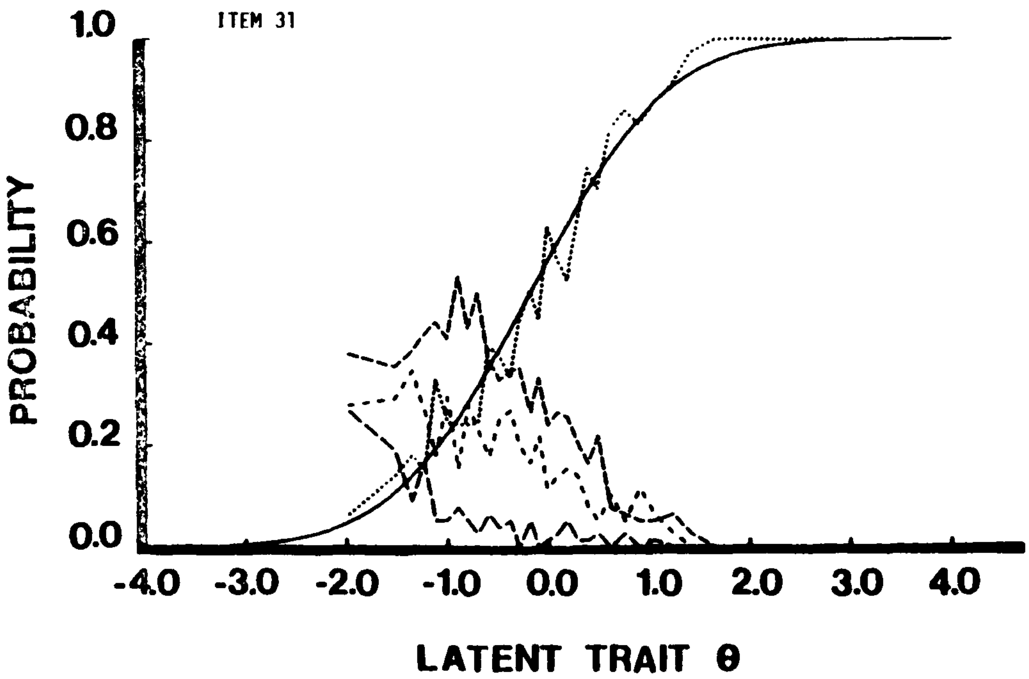

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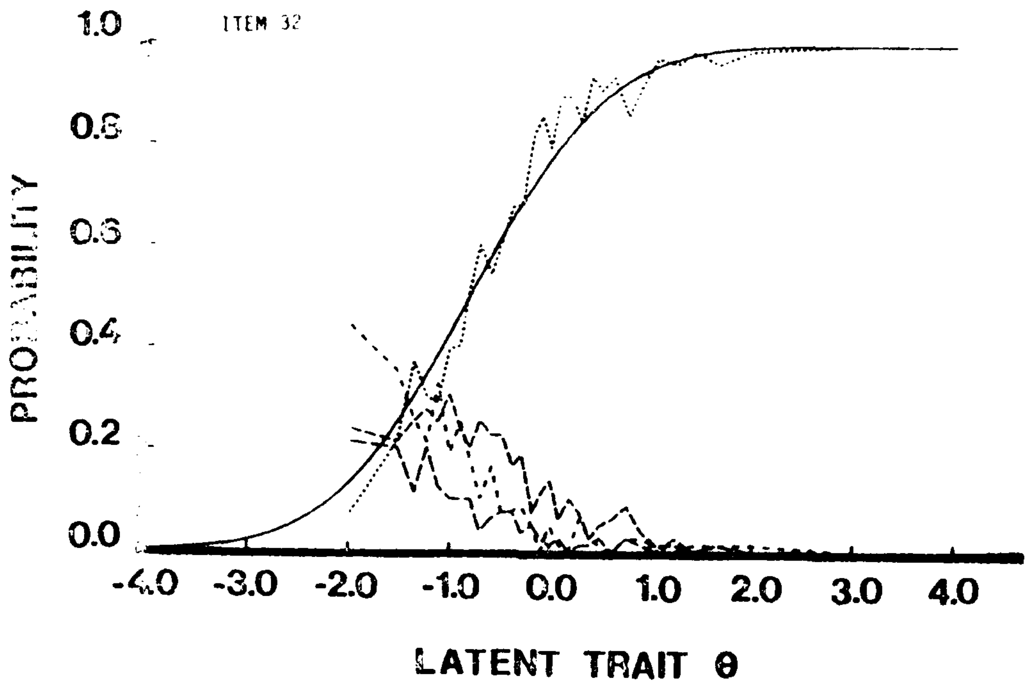

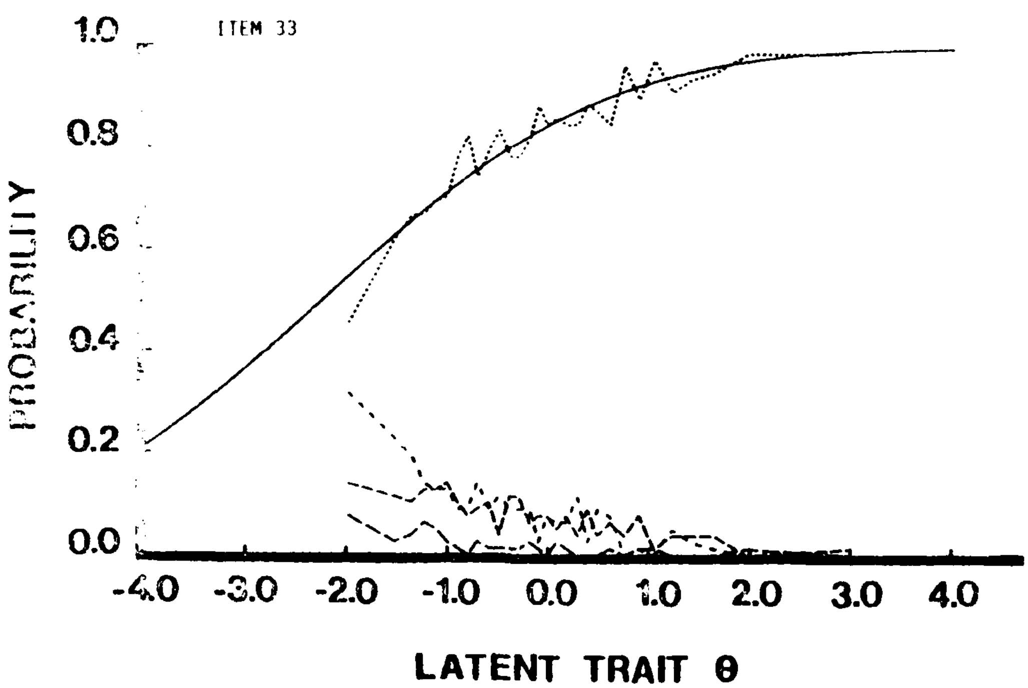

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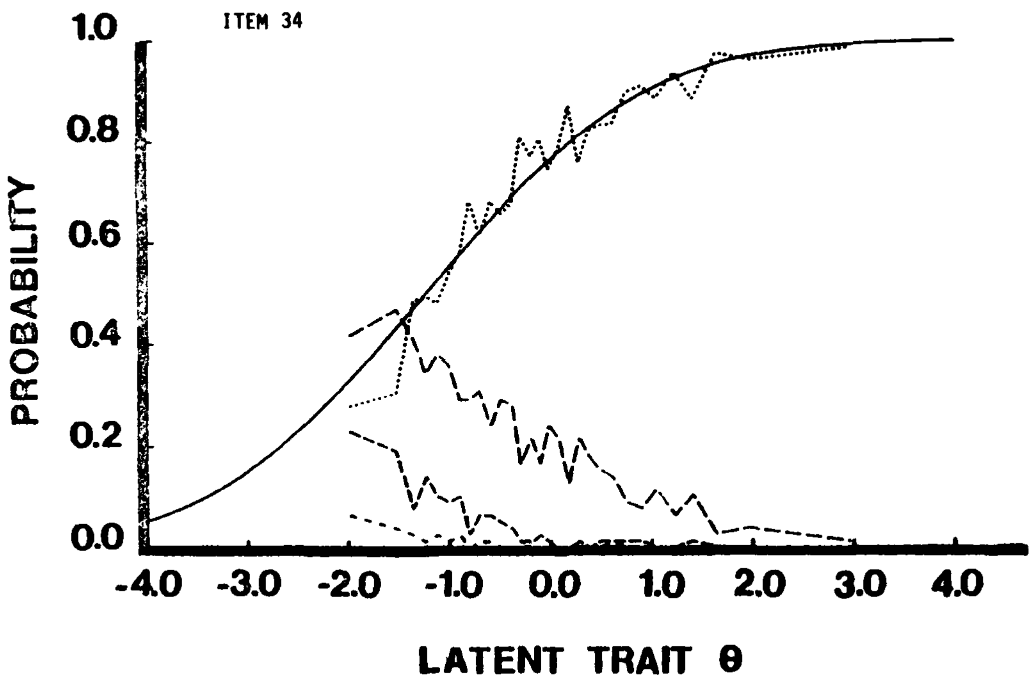

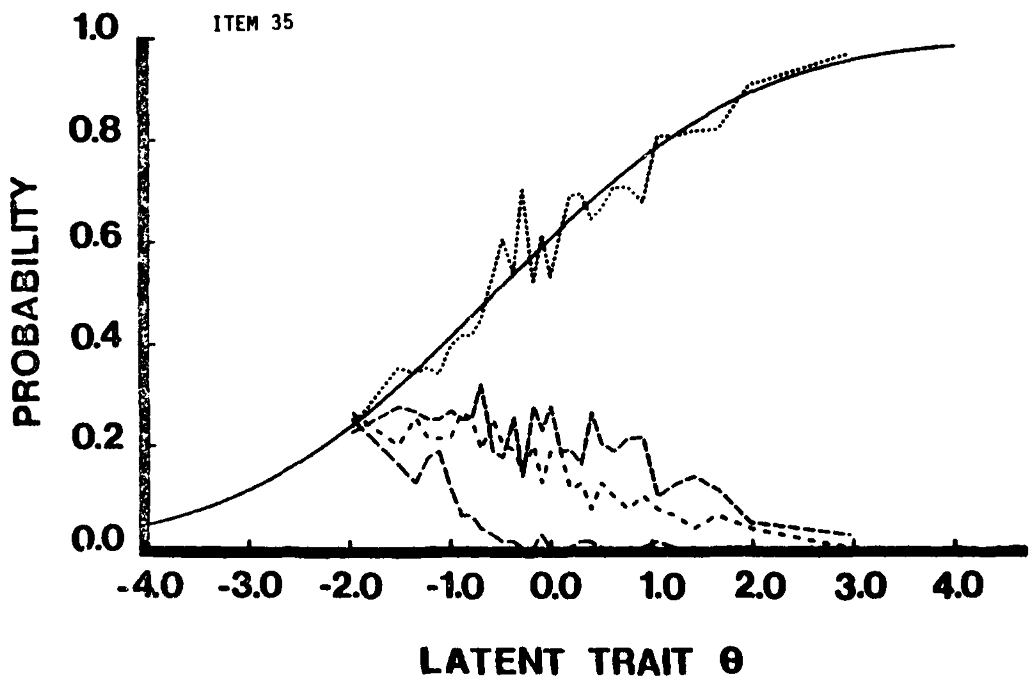

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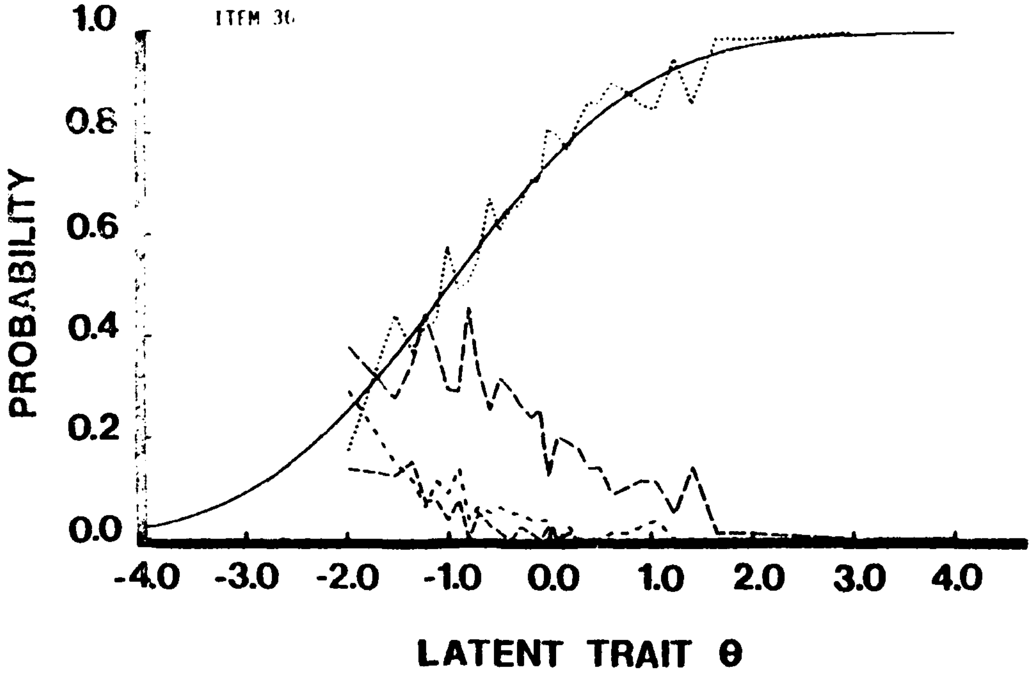

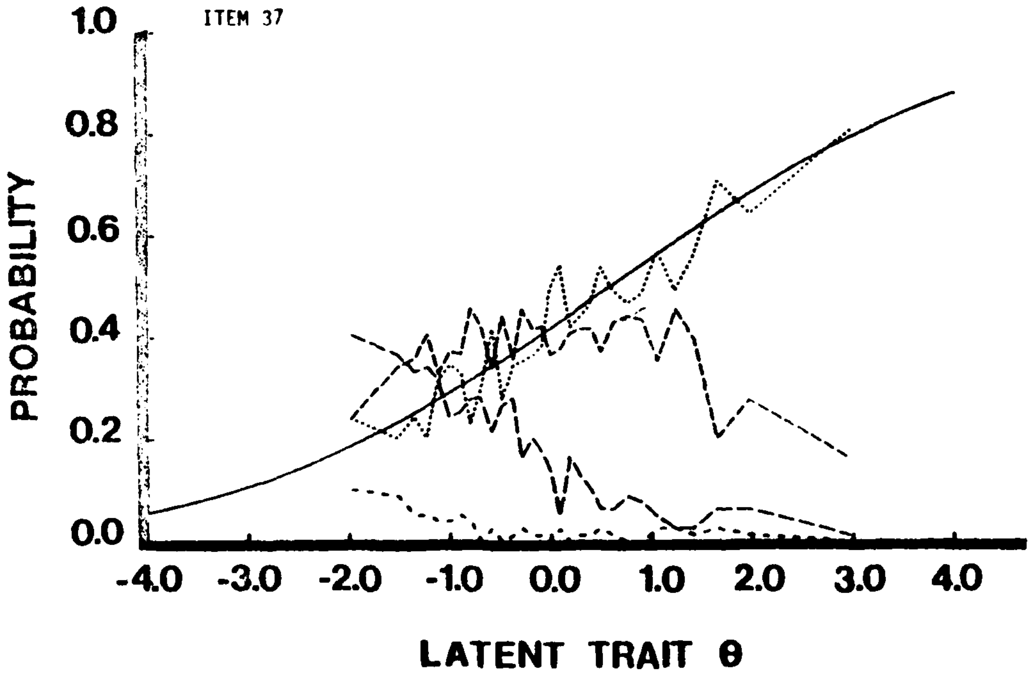

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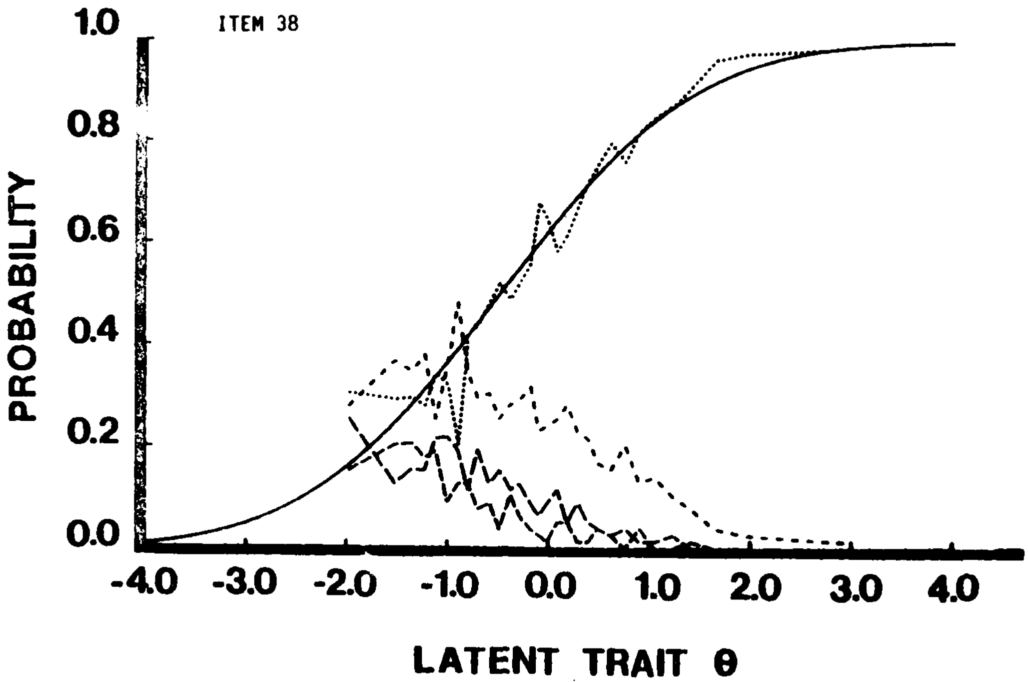

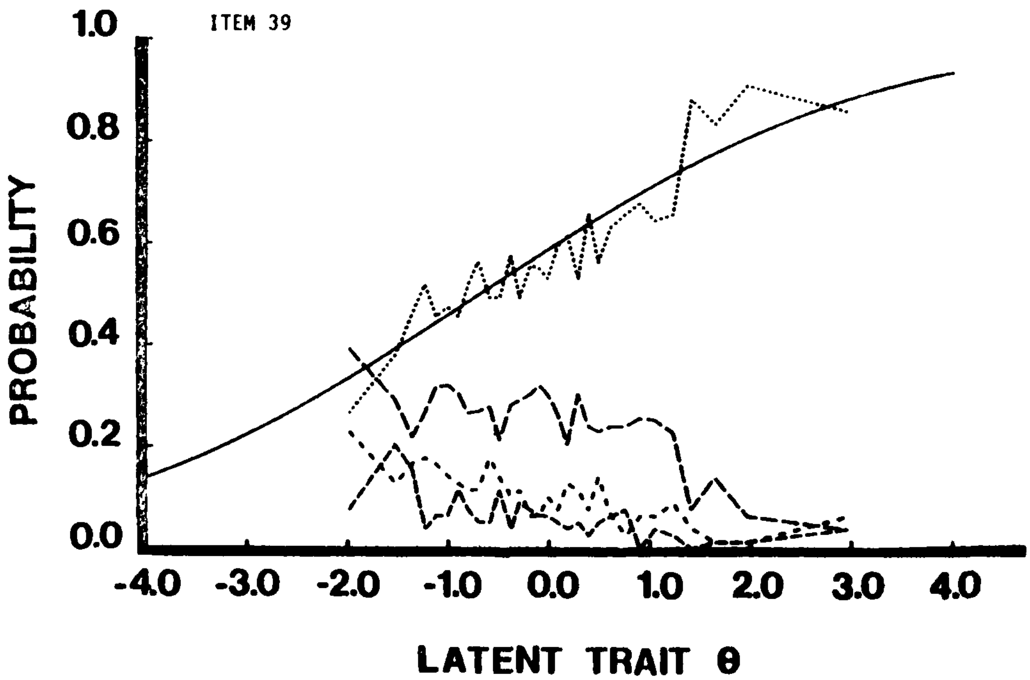

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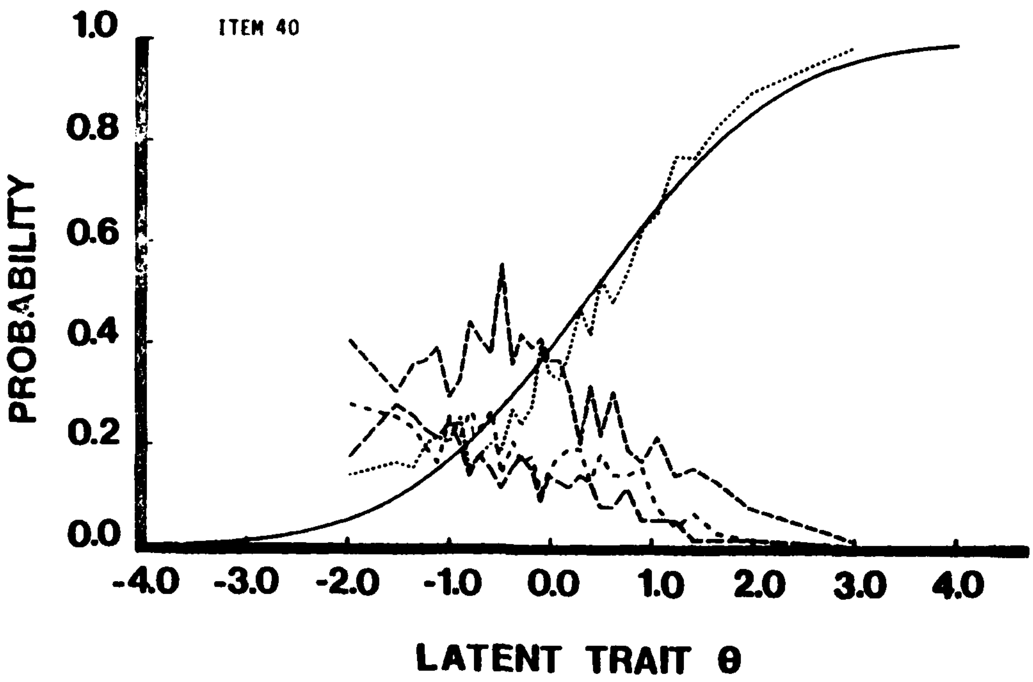

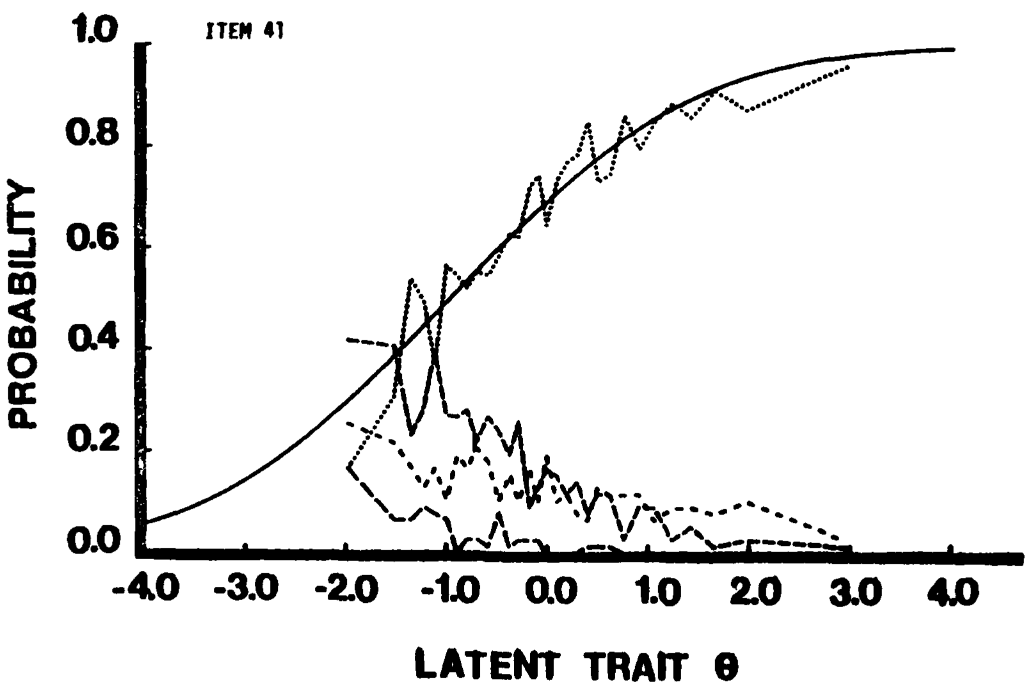

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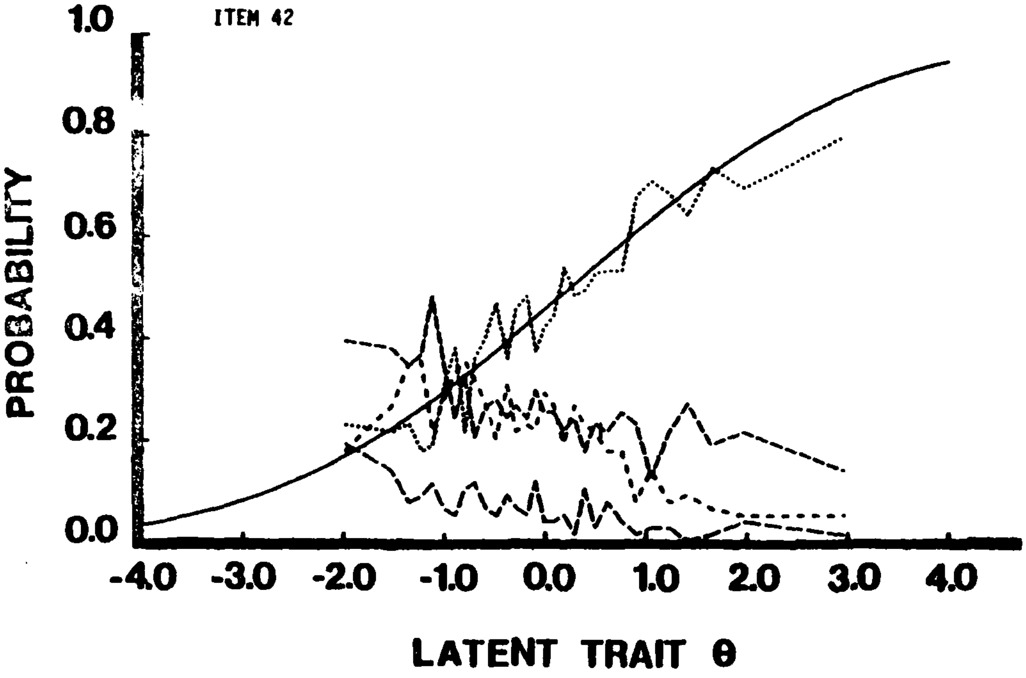

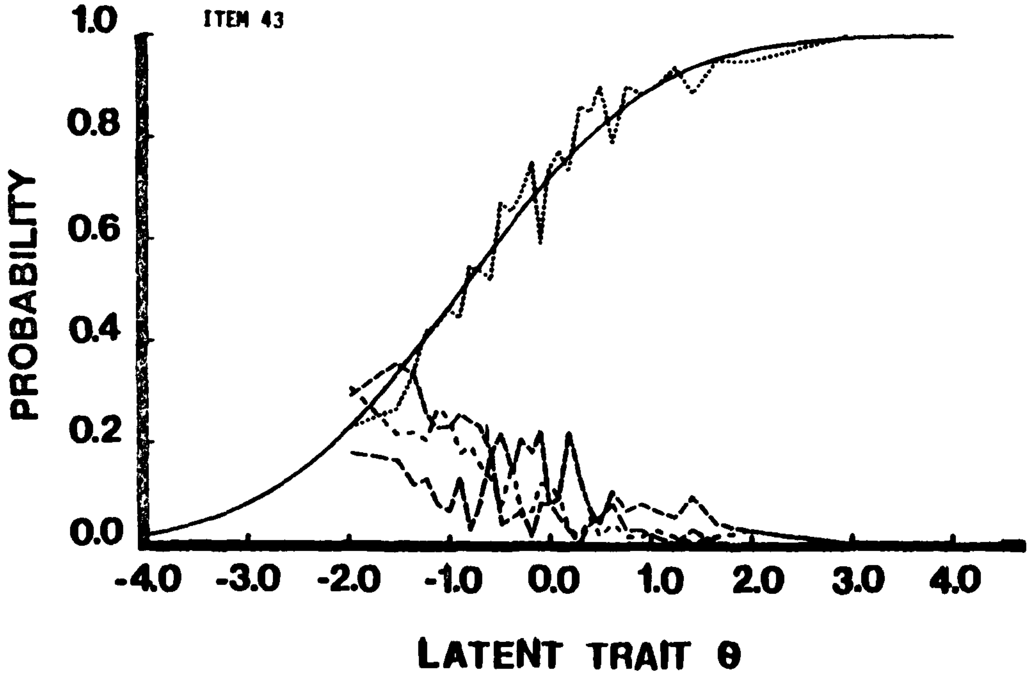

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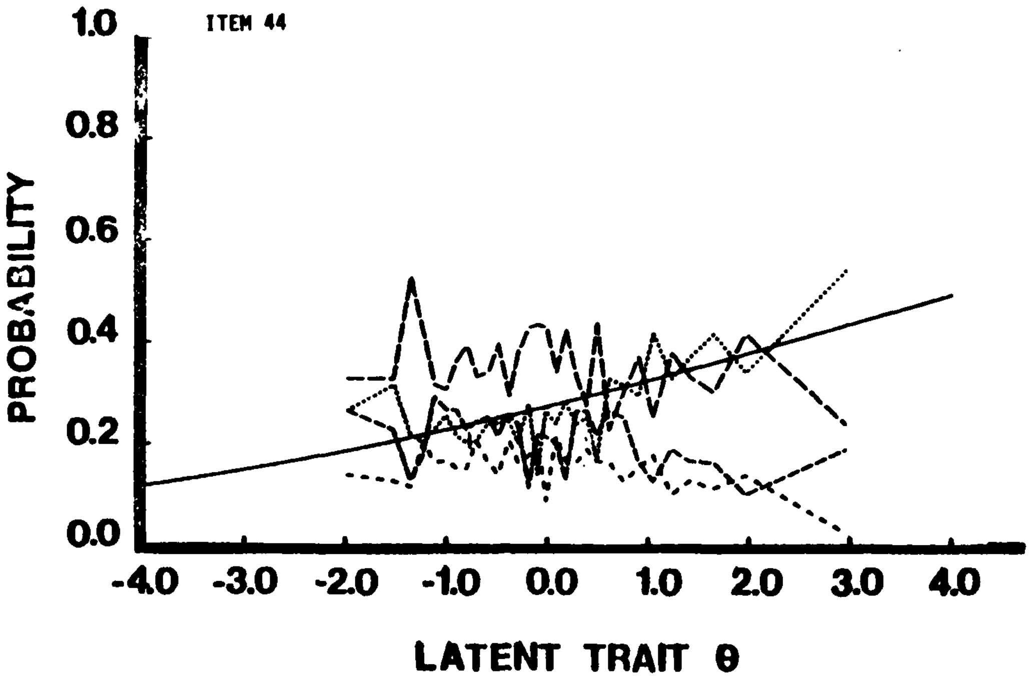

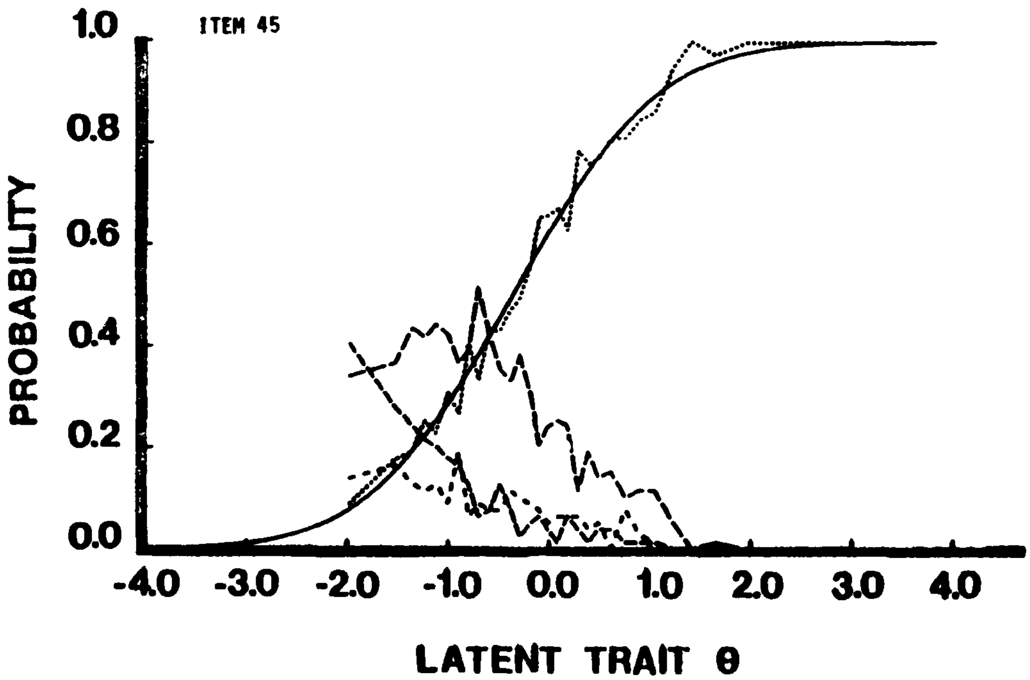

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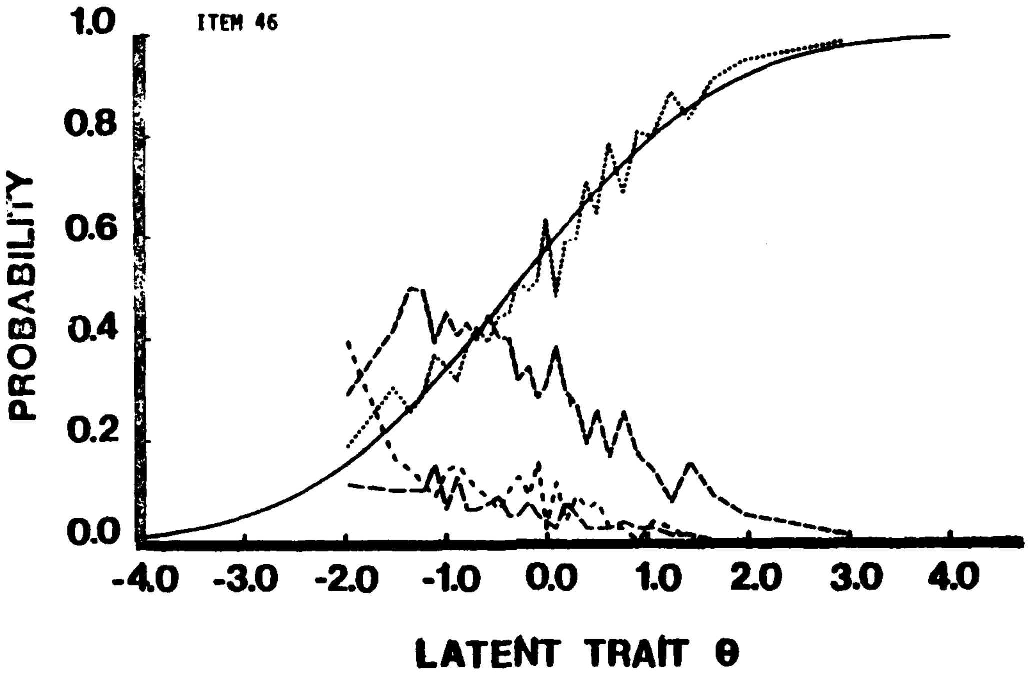

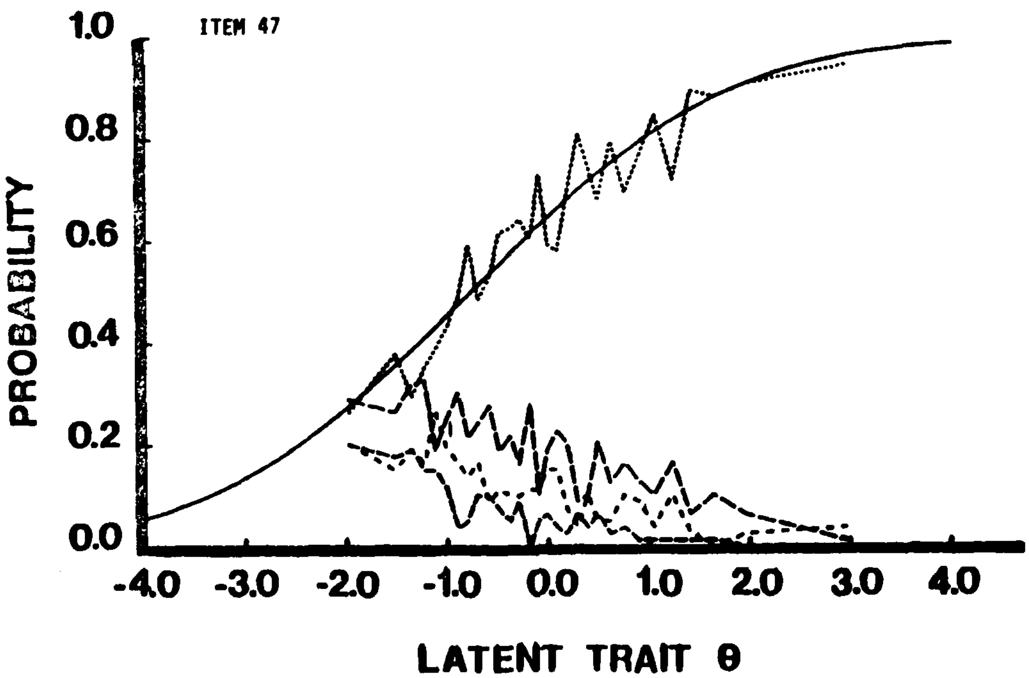

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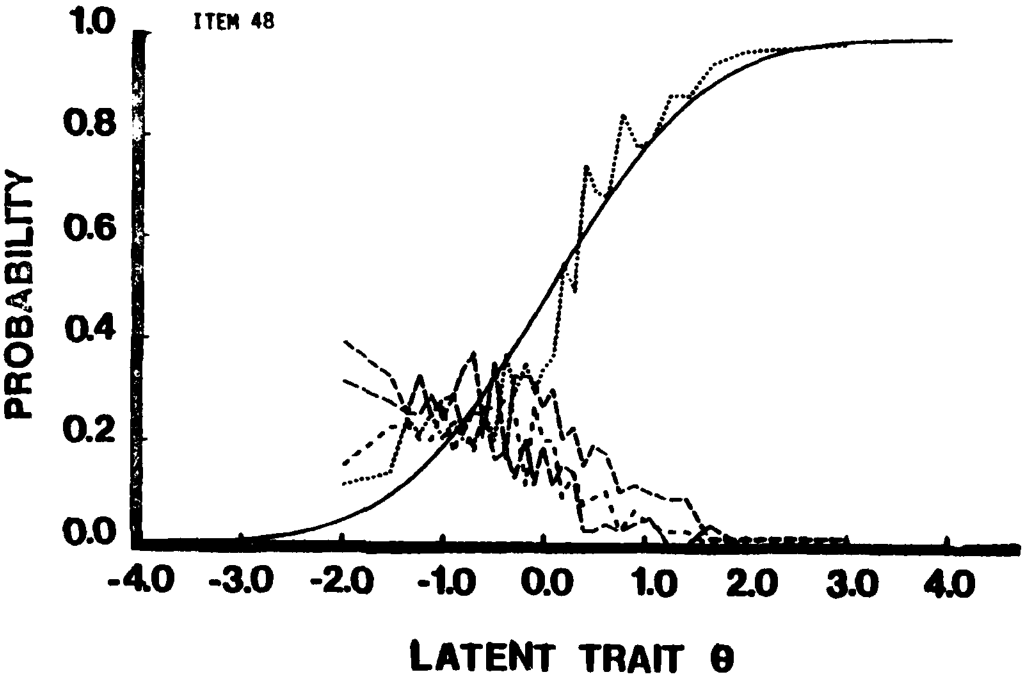

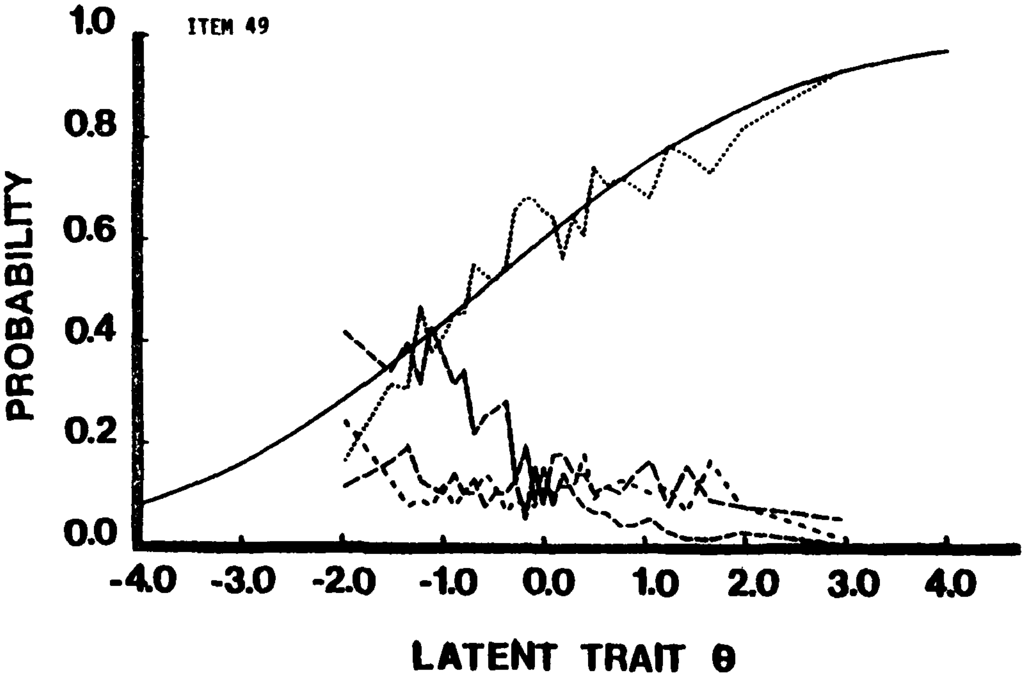

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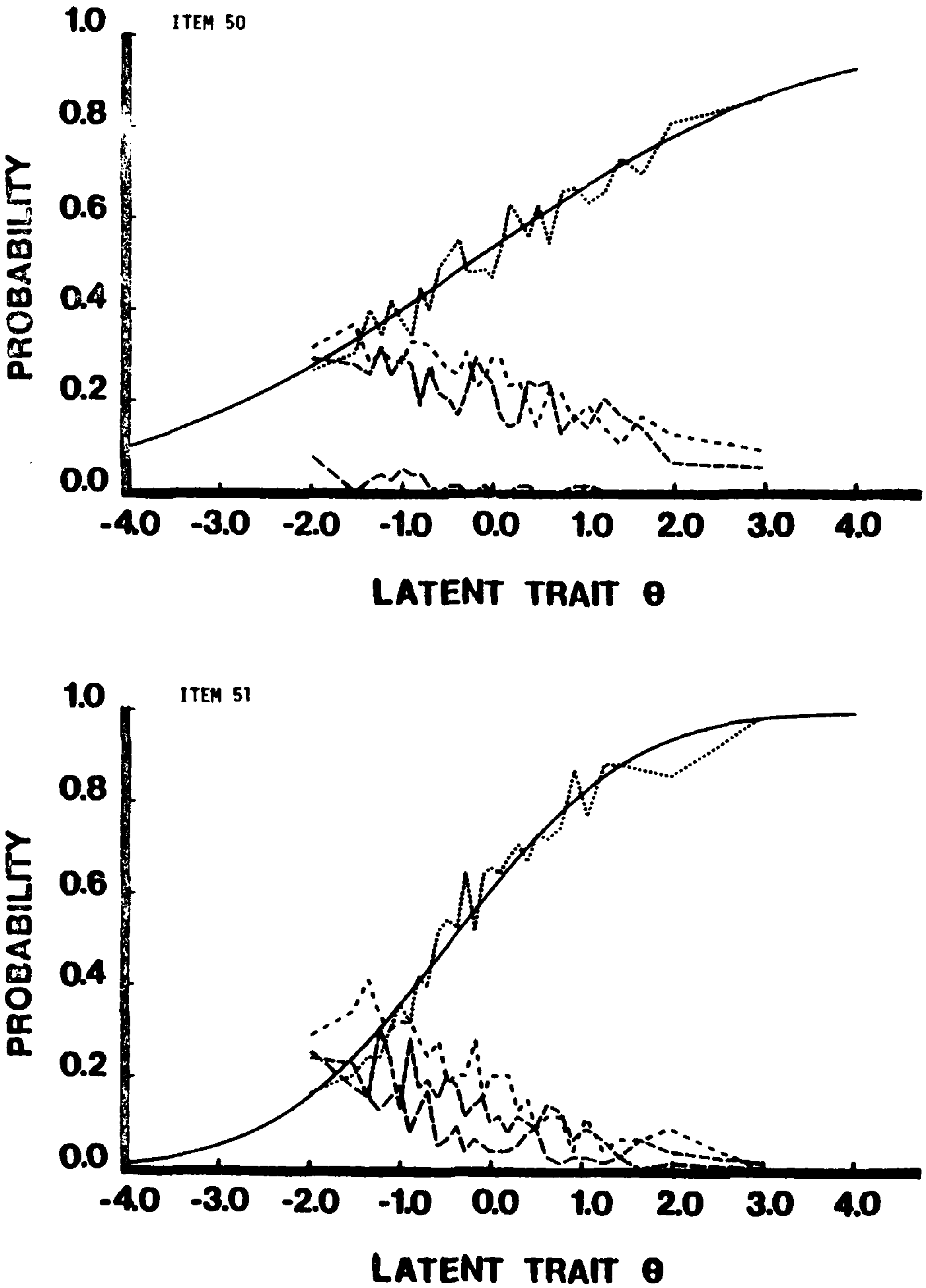

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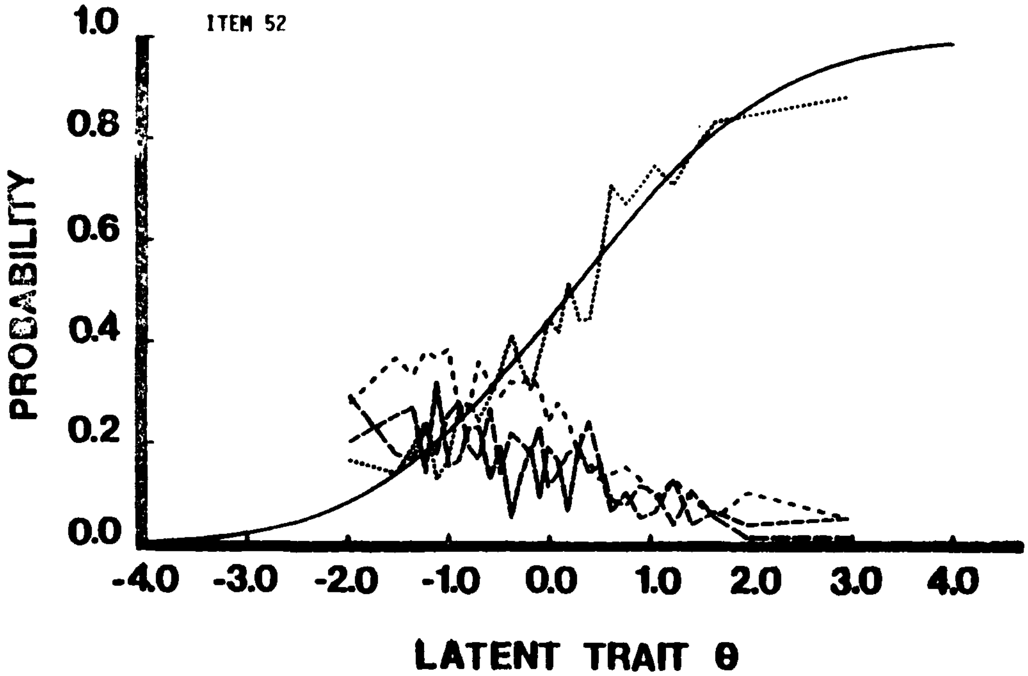

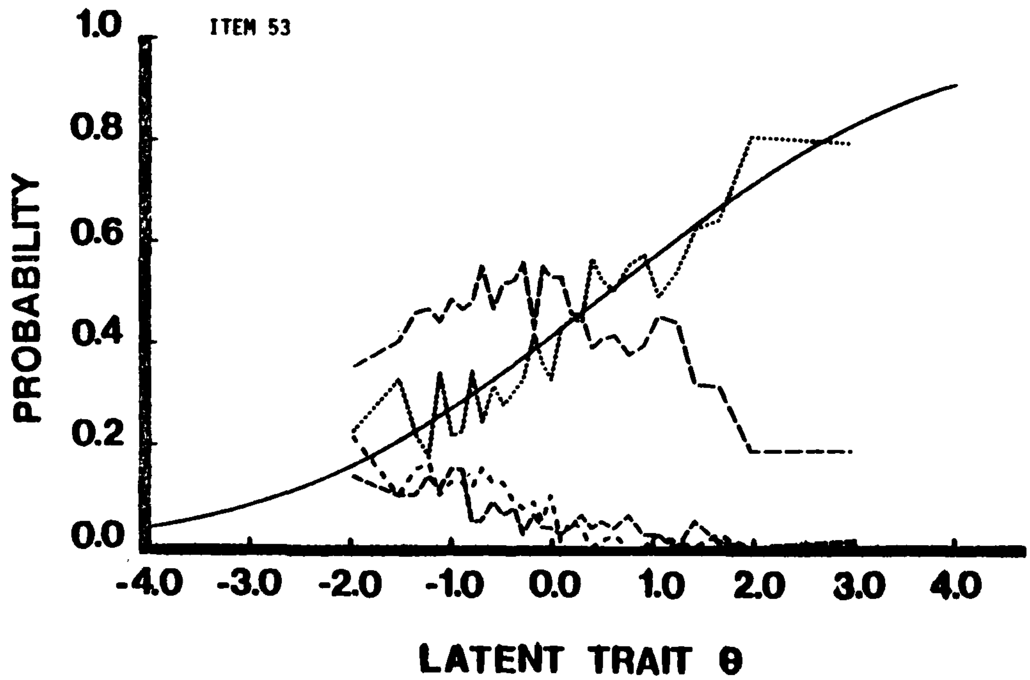

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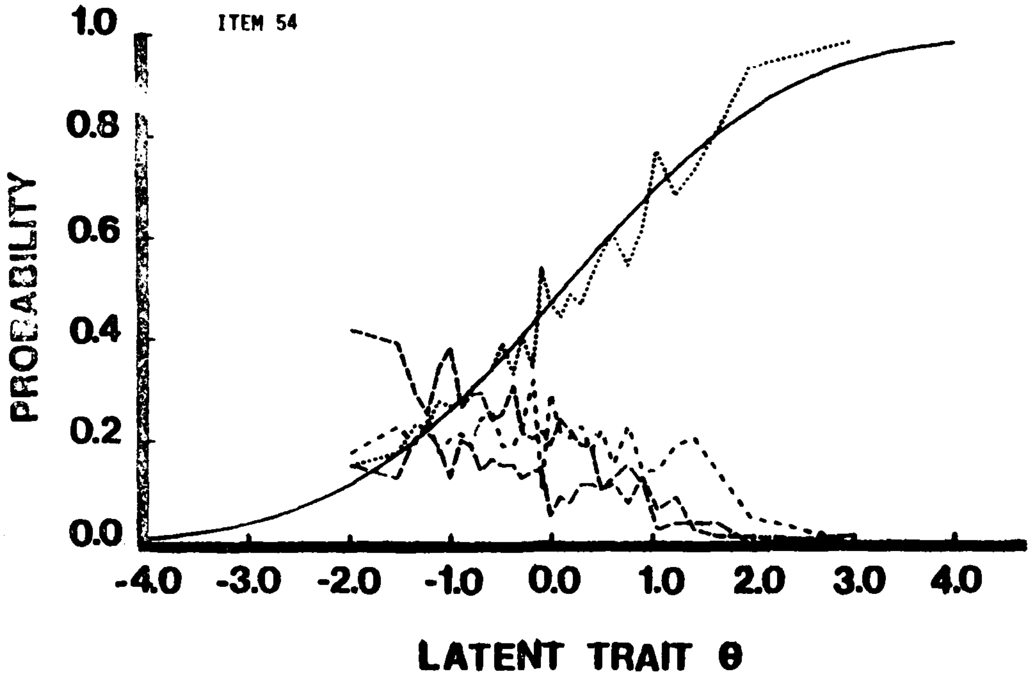

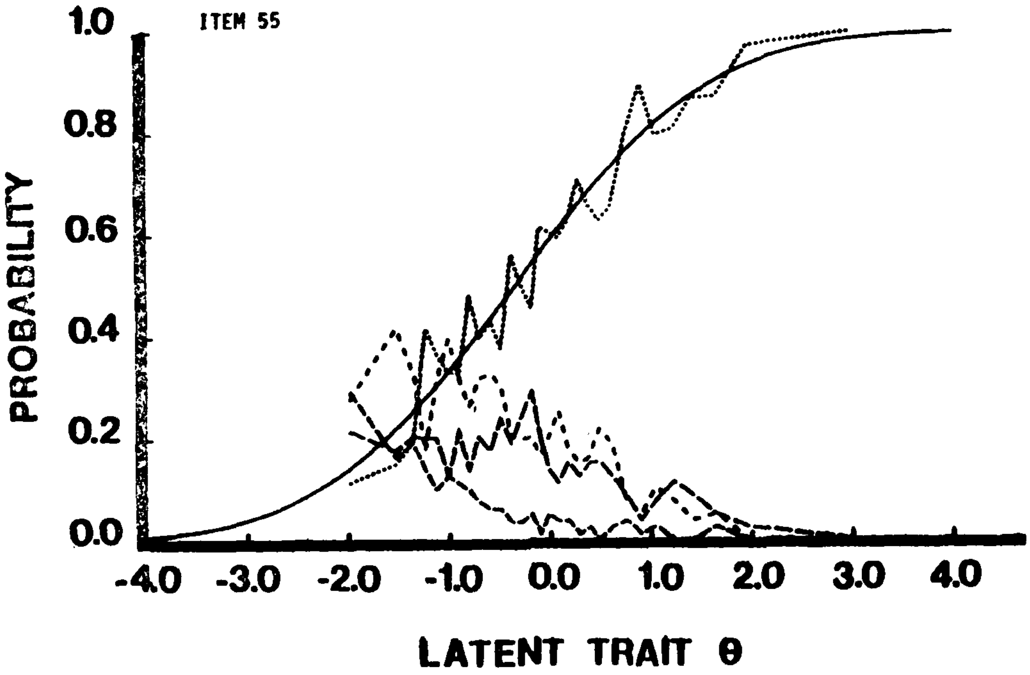

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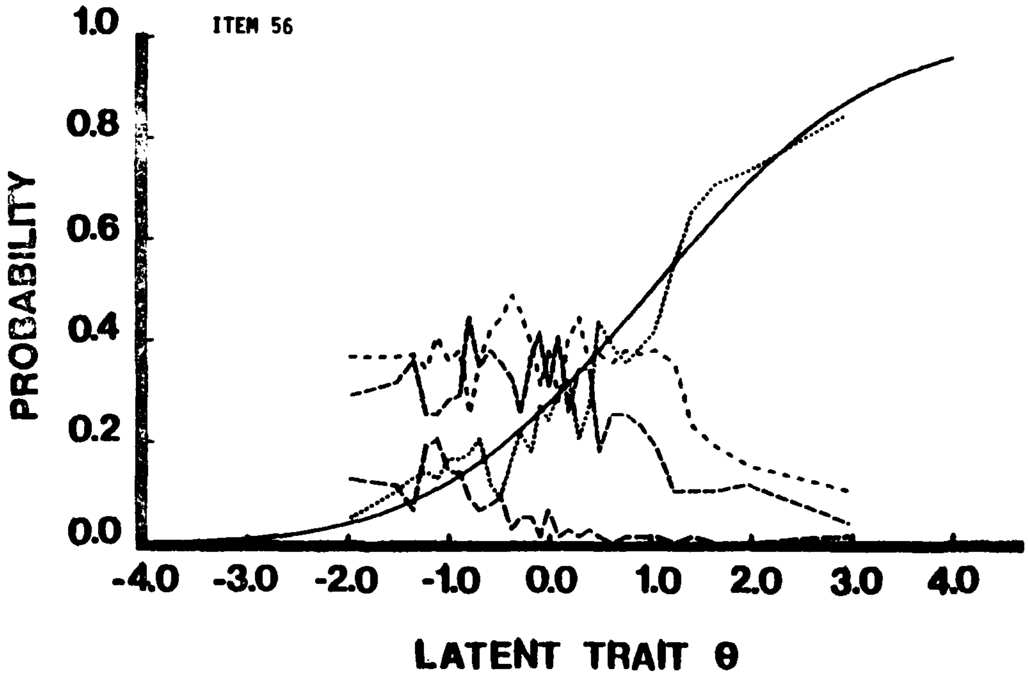

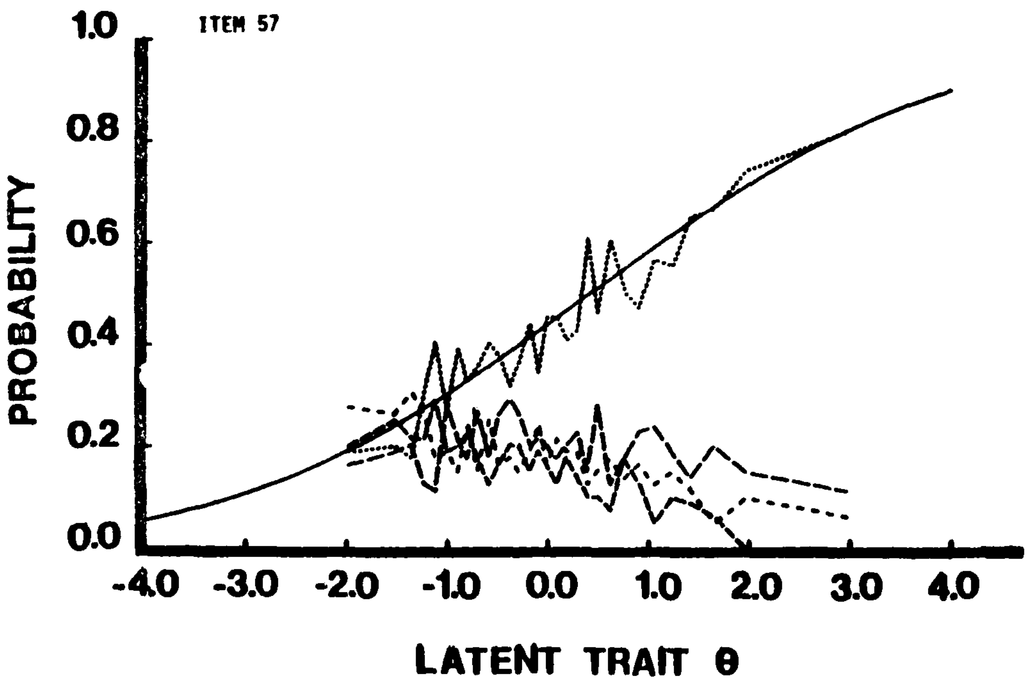

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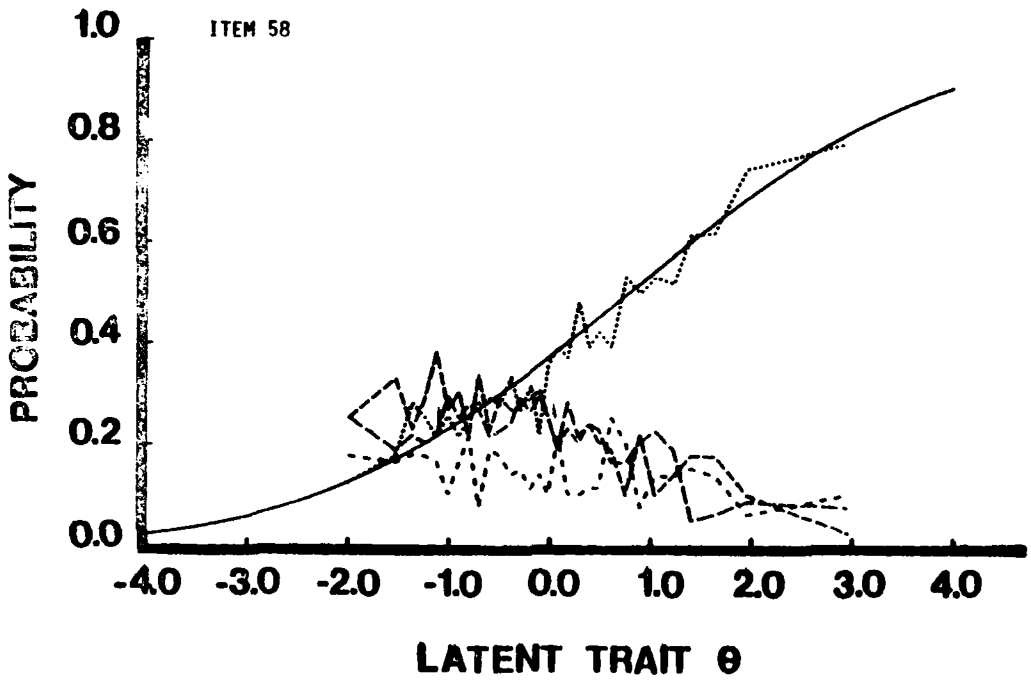

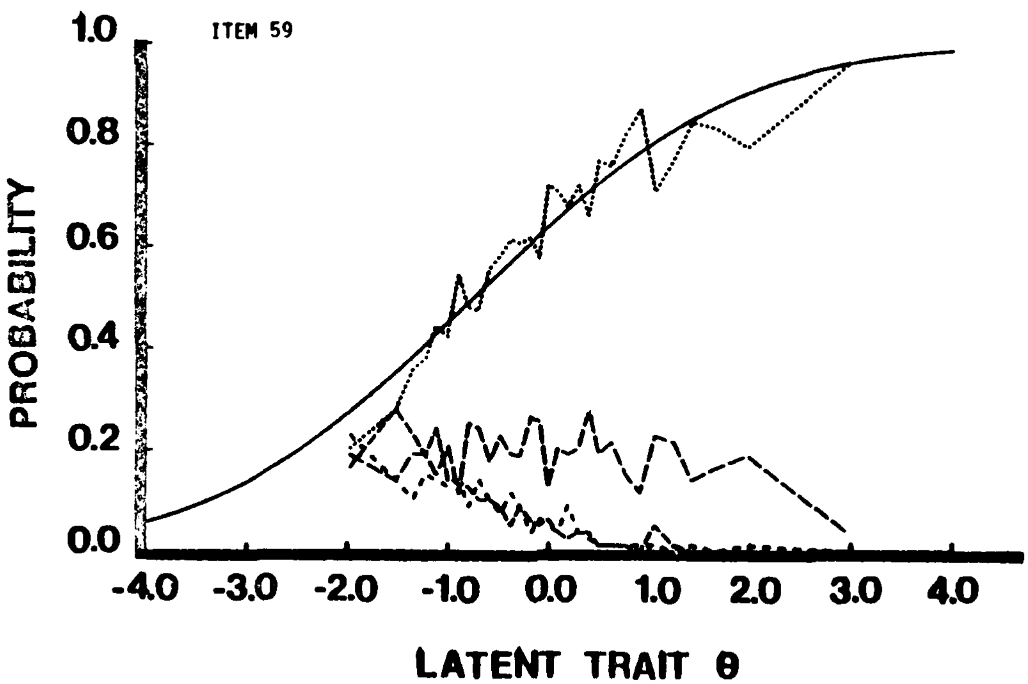

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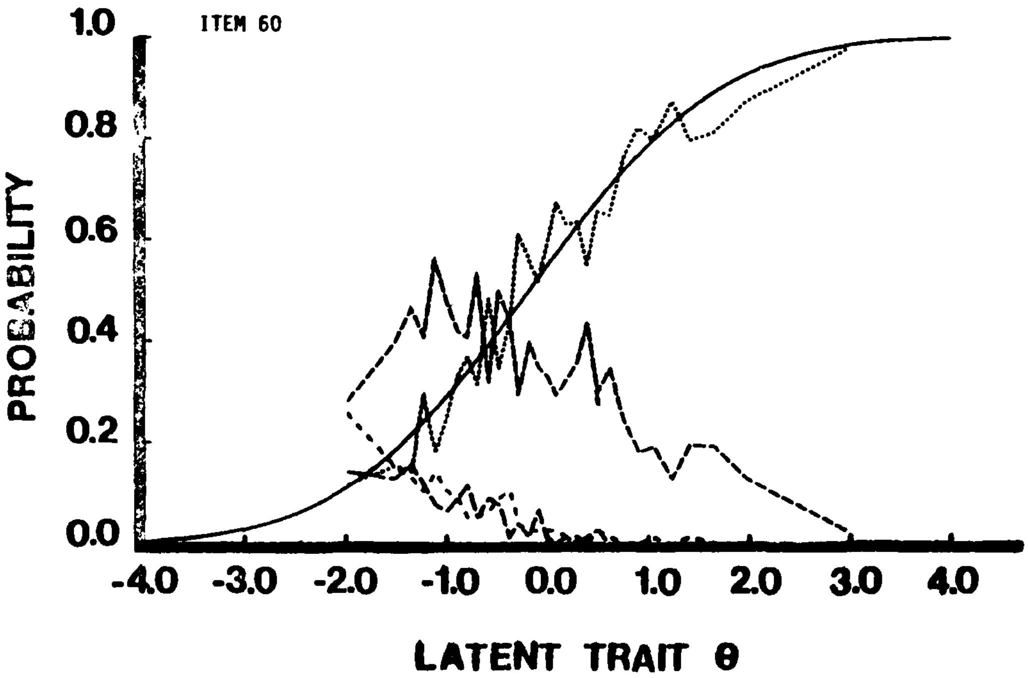

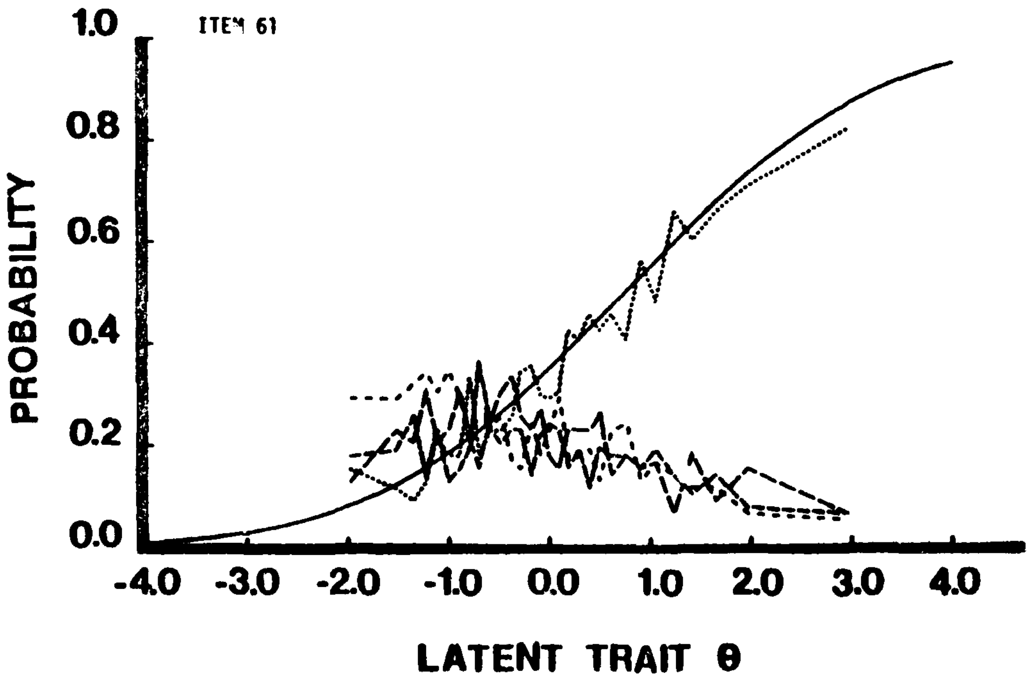

FIGURE A-1 (Continued)

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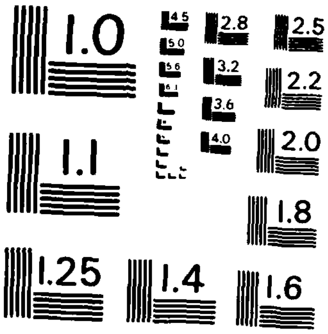


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

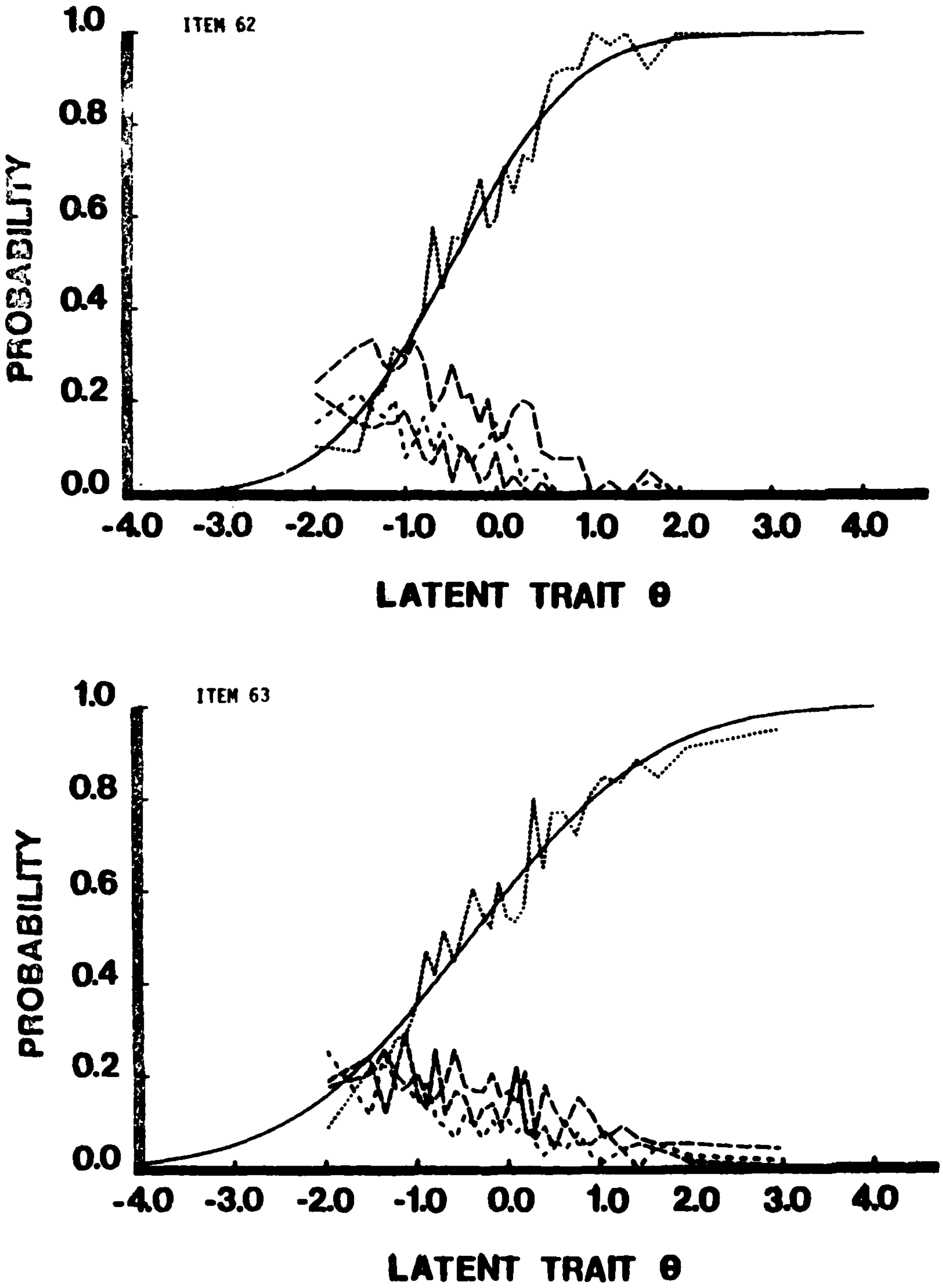
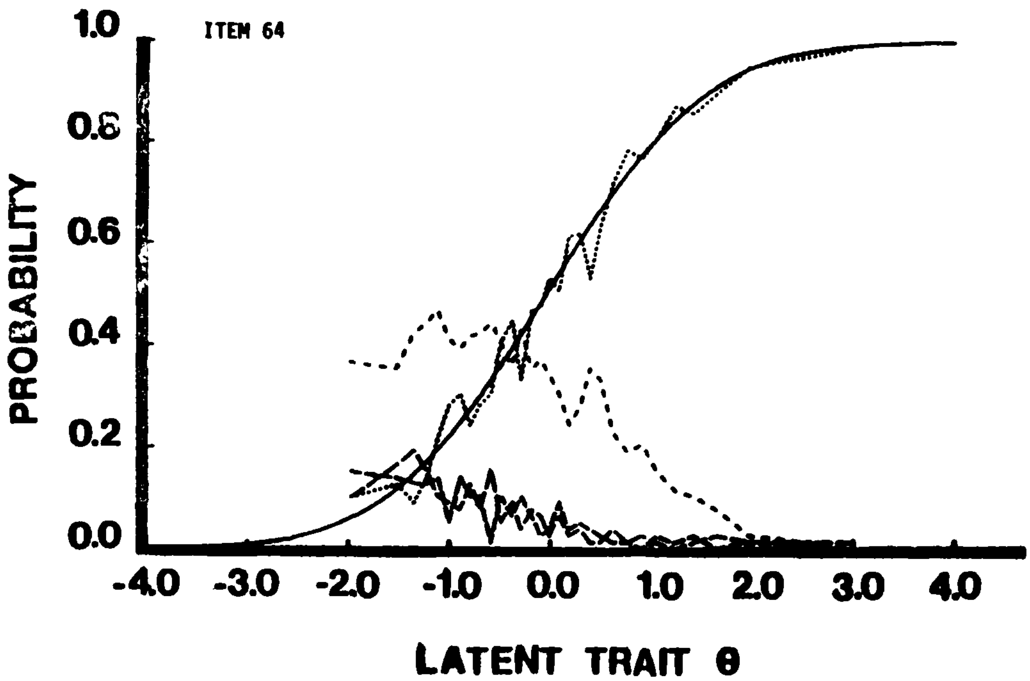


FIGURE A-1 (Continued)



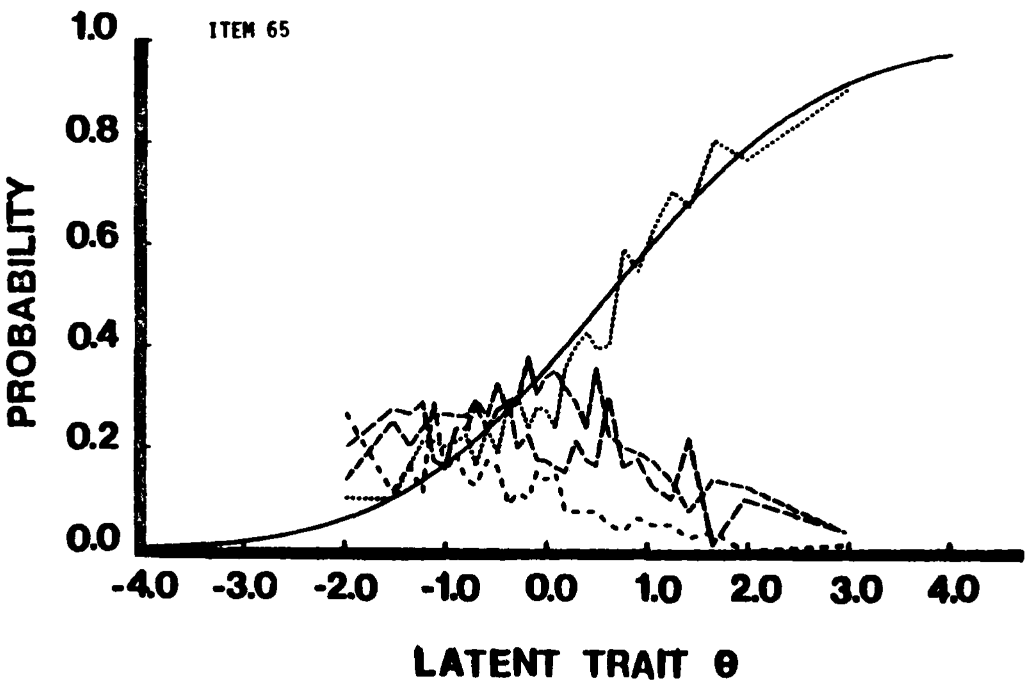


FIGURE A-1 (Continued)

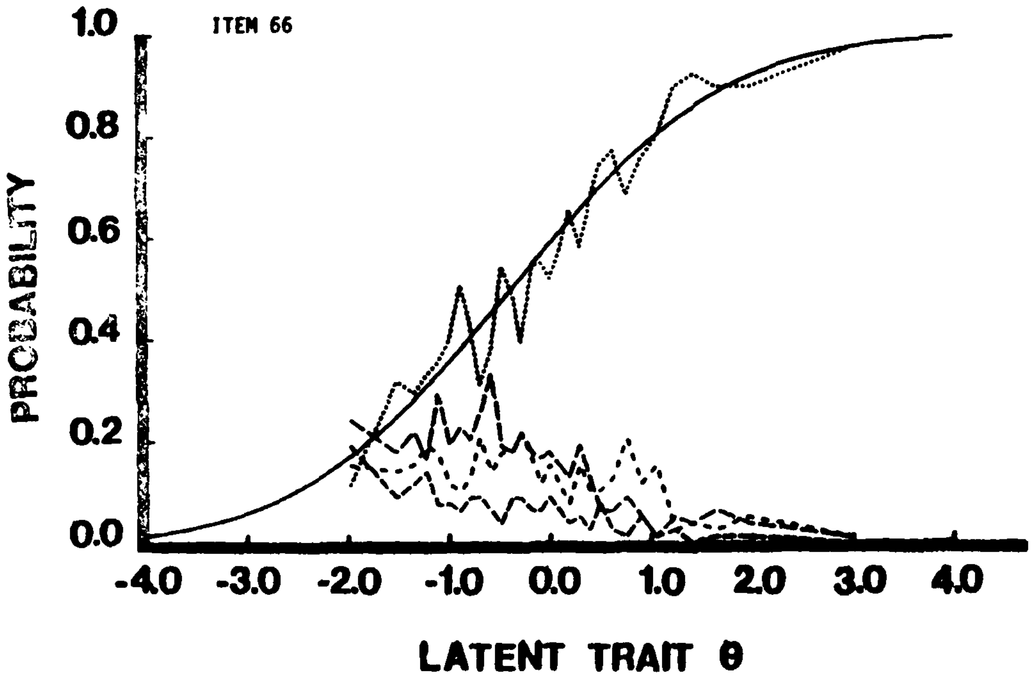
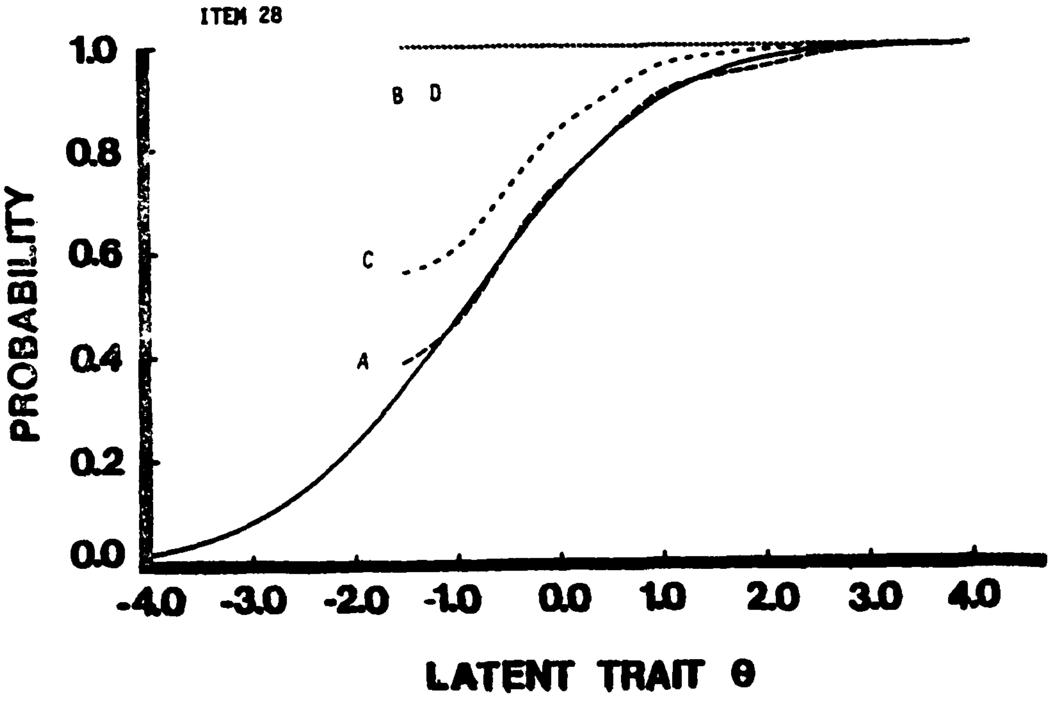


FIGURE A-1 (Continued)



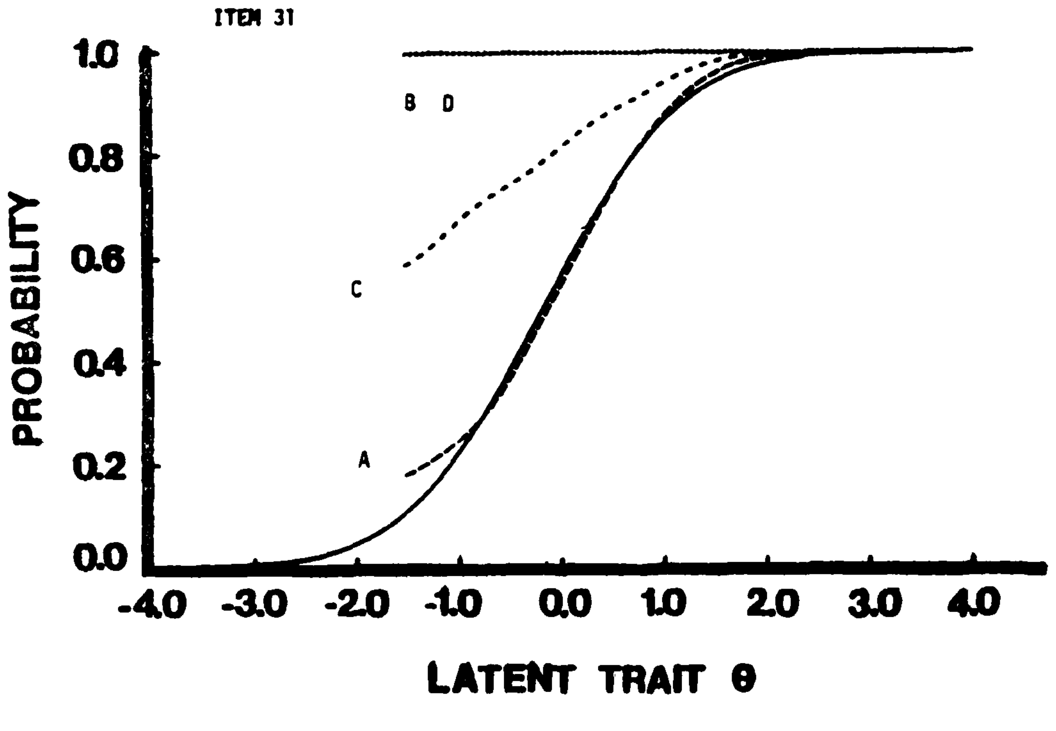
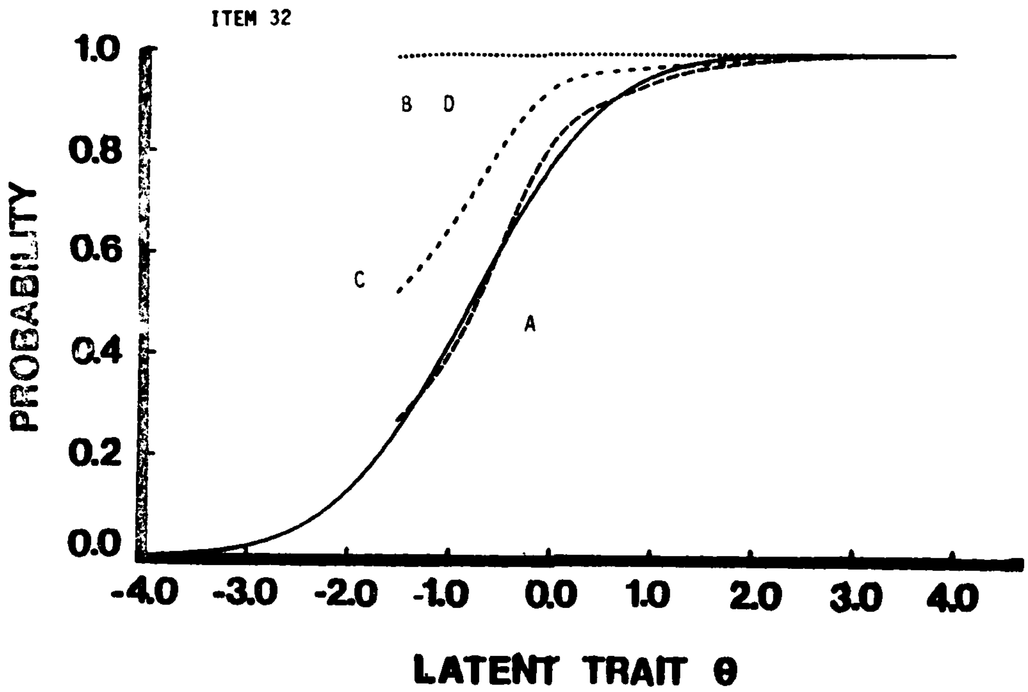


FIGURE A-2

Cumulative Operating Characteristics Drawn for Each of the Seventeen Selected Items, Together with the Estimated Item Characteristic Function Following the Normal Ogive Model (Solid Line).



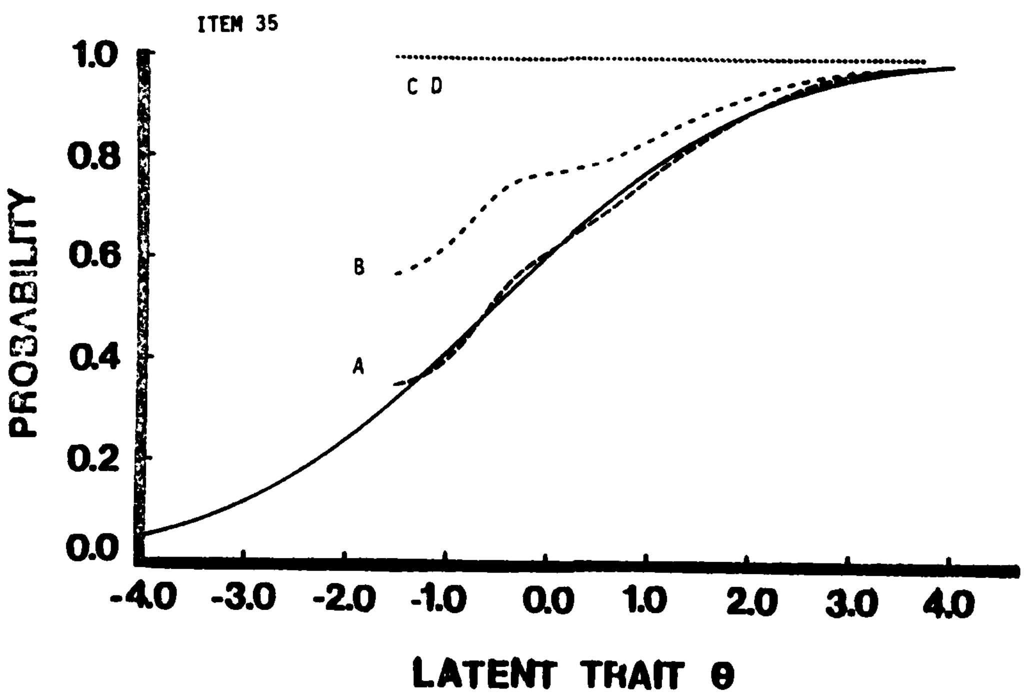
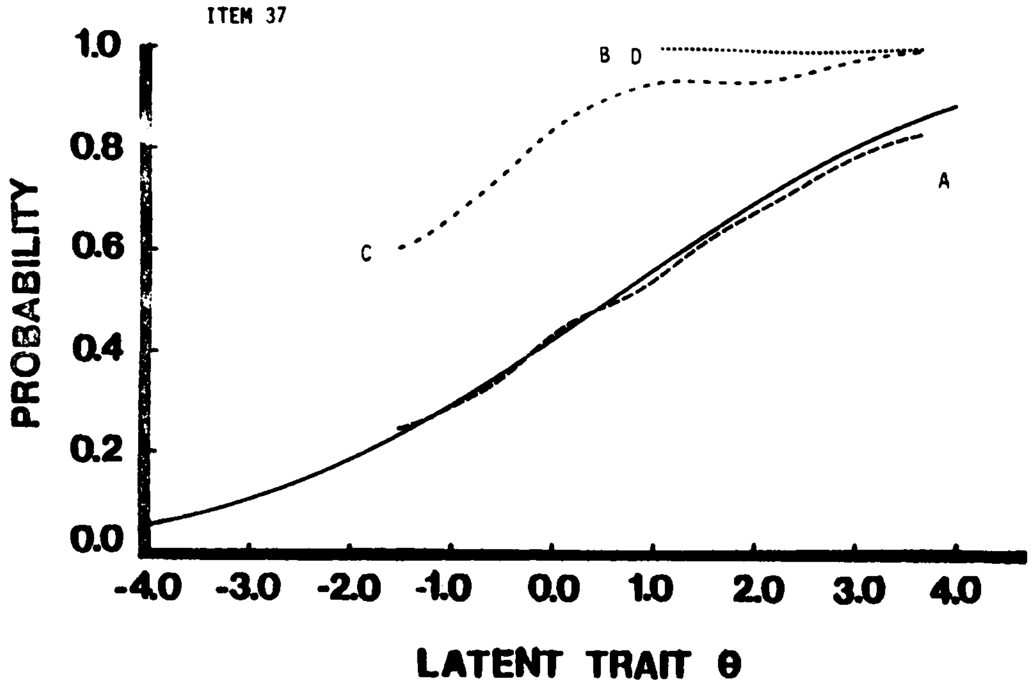


FIGURE A-2 (Continued)



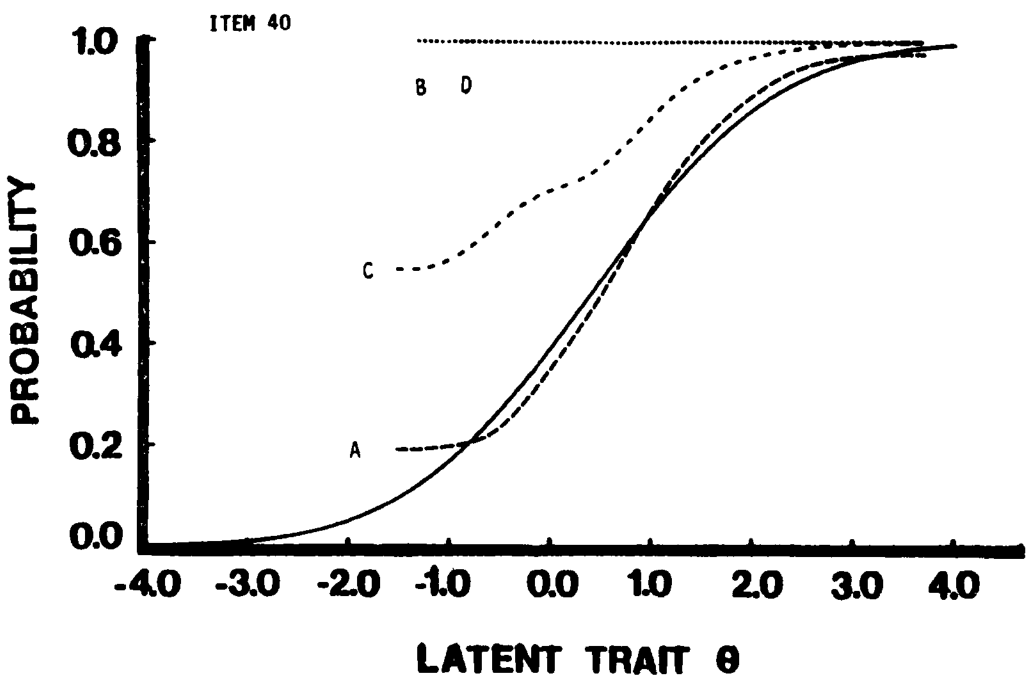
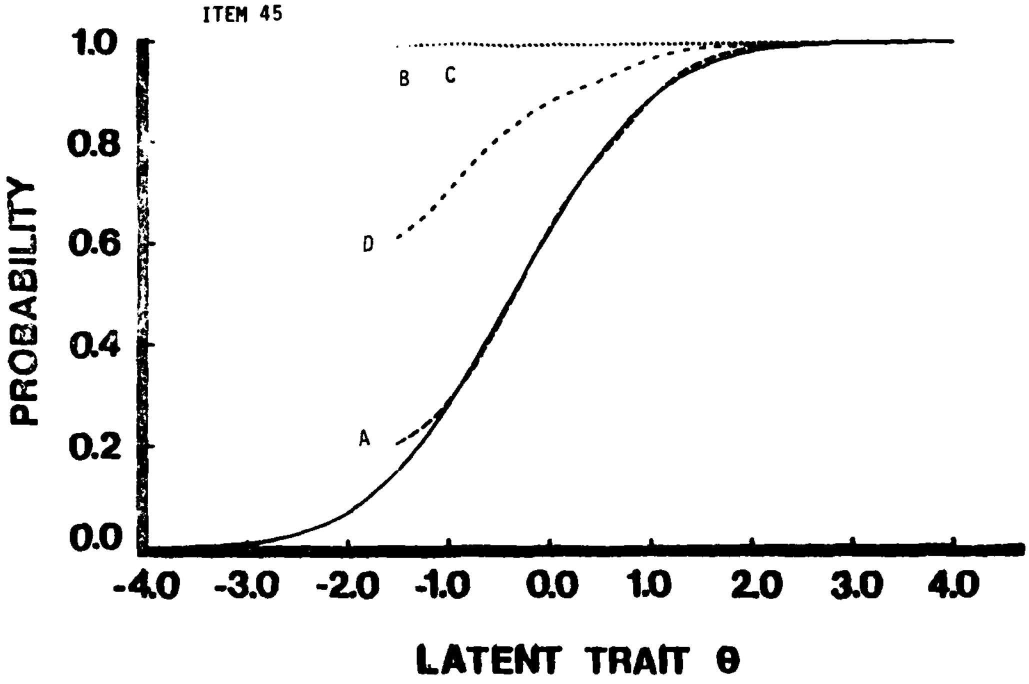


FIGURE A-2 (Continued)



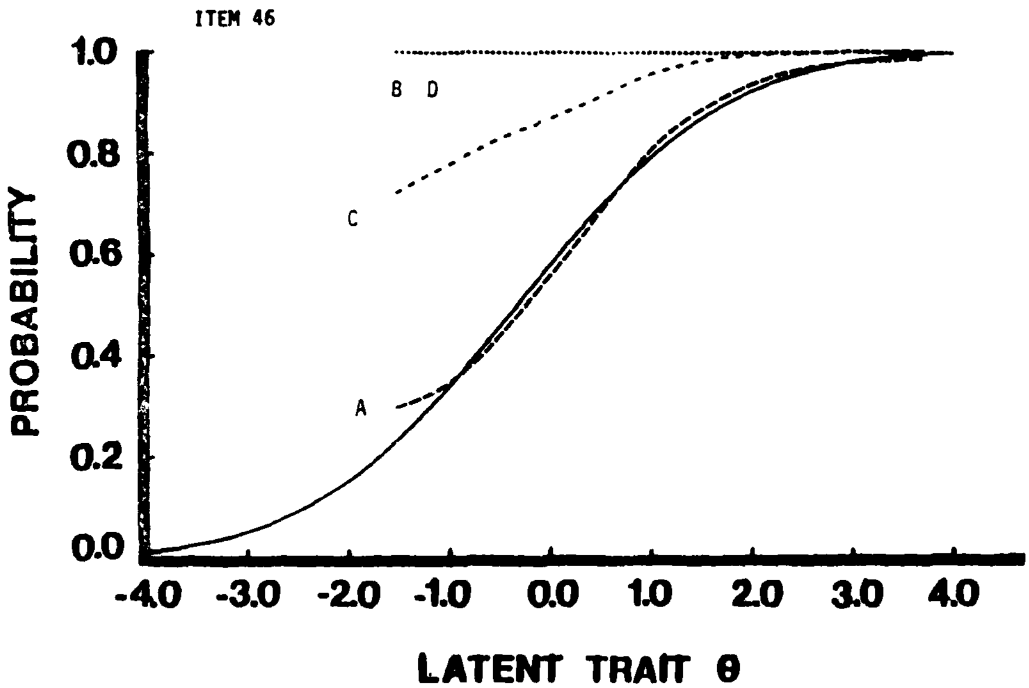
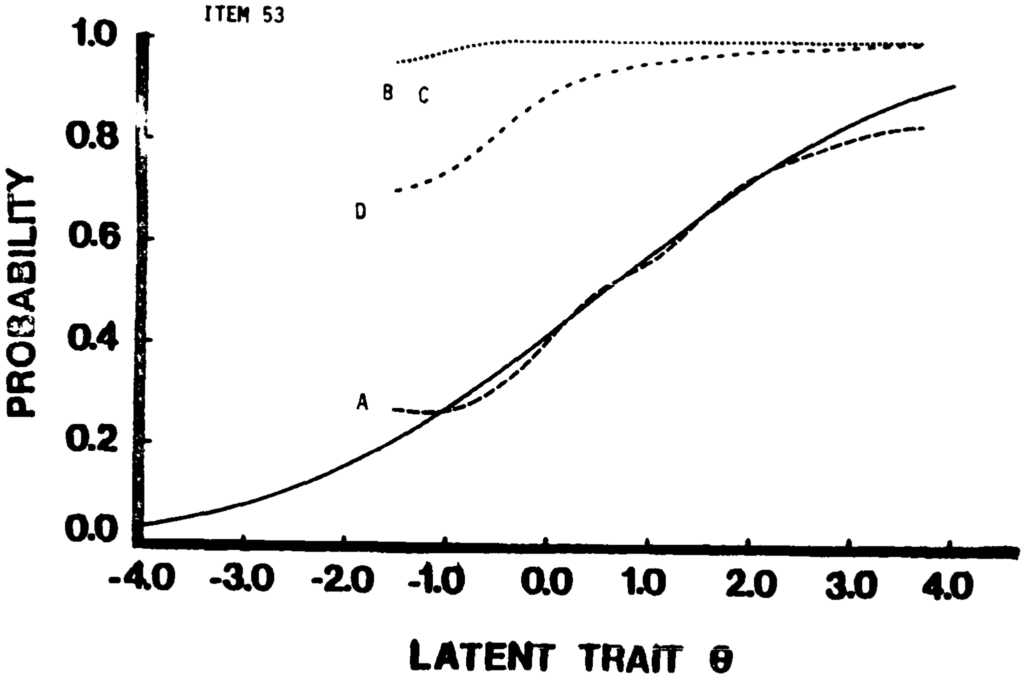


FIGURE A-2 (Continued)



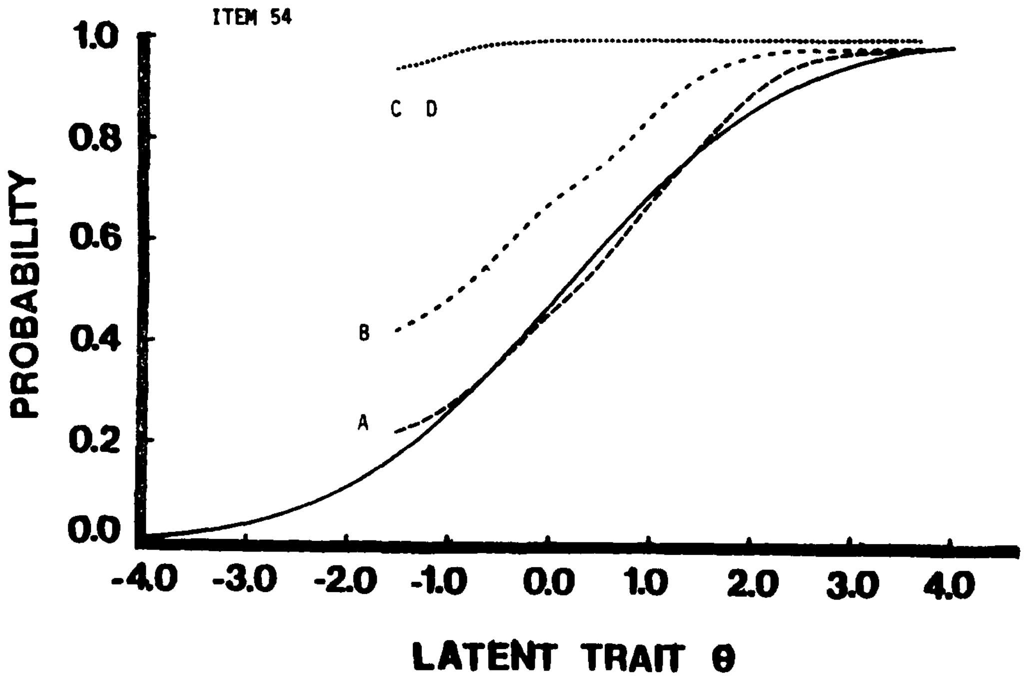
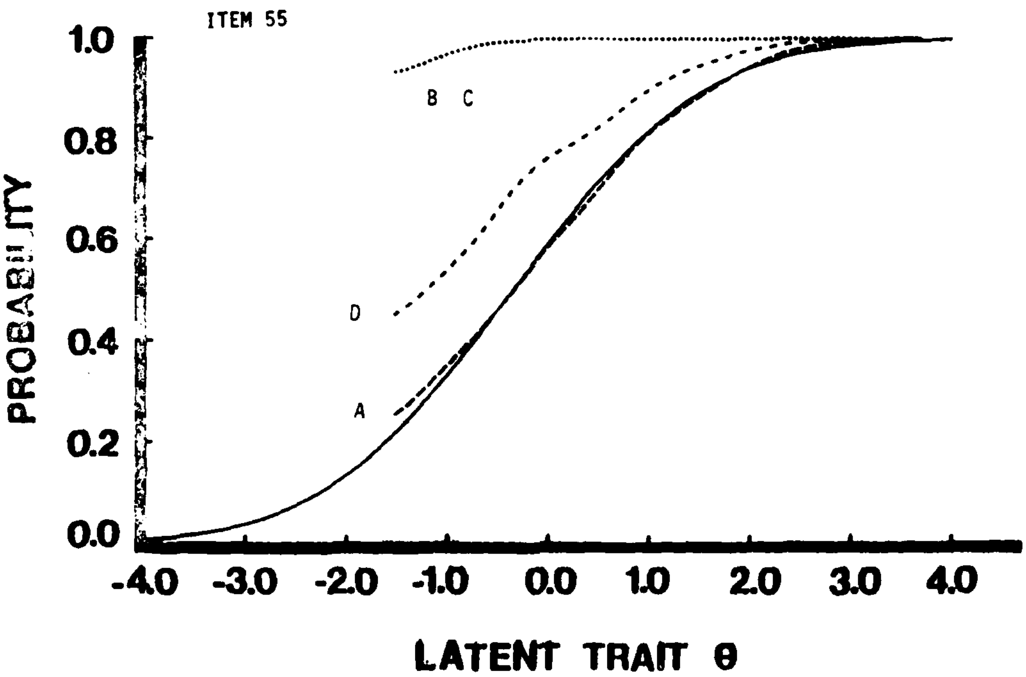


FIGURE A-2 (Continued)



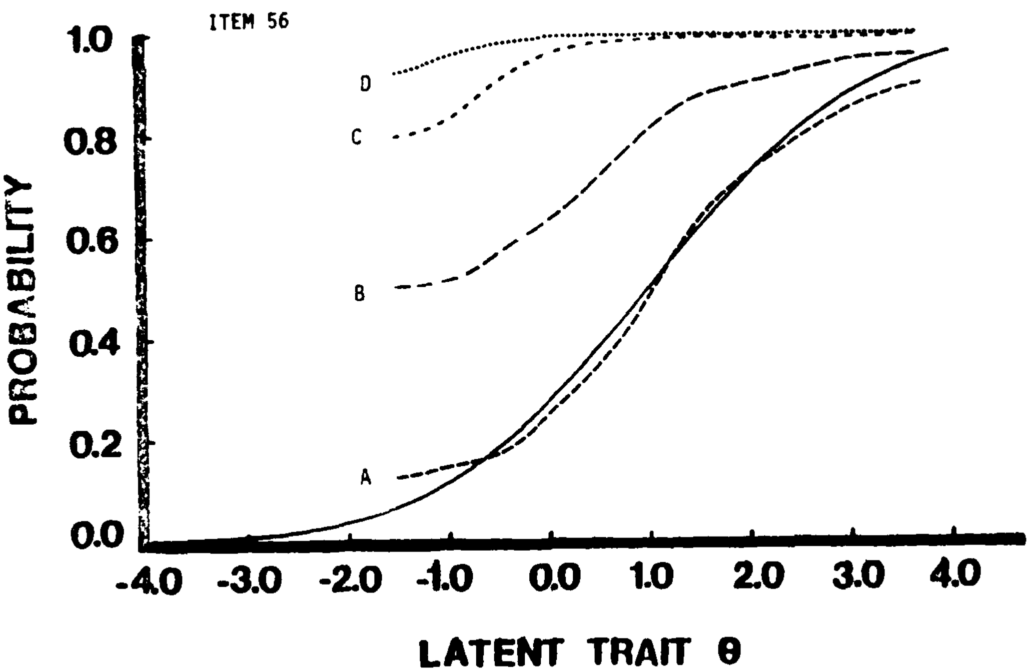
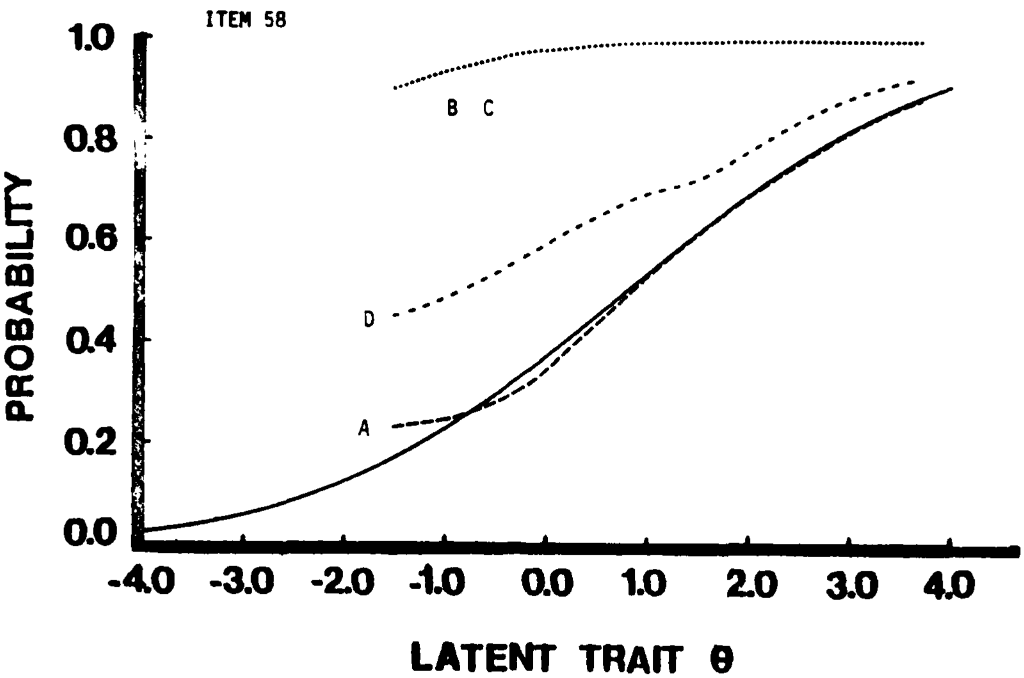


FIGURE A-2 (Continued)



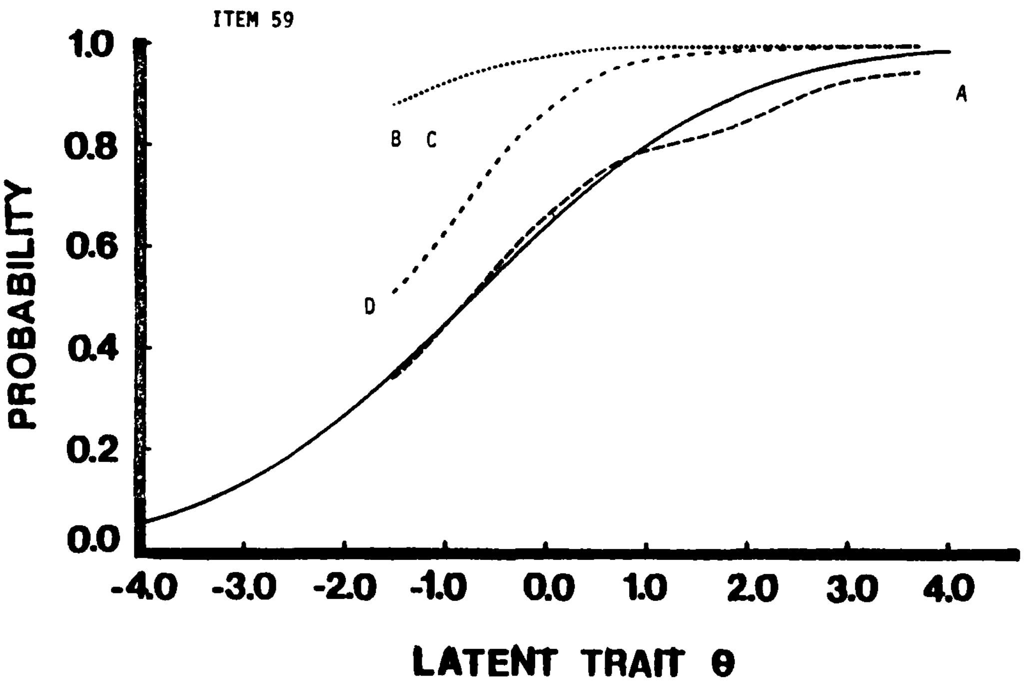
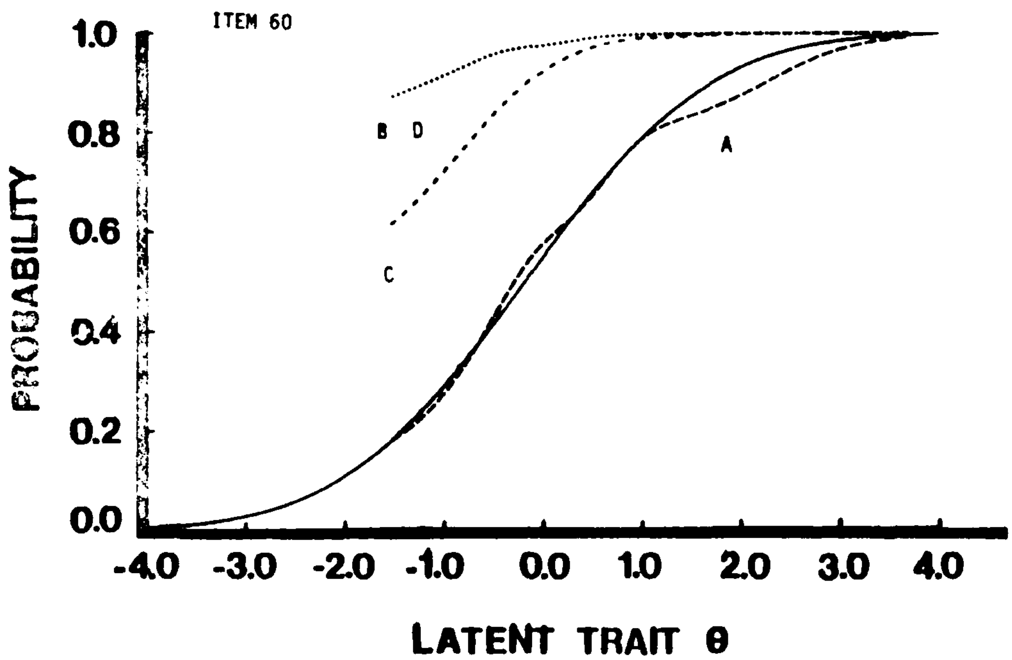


FIGURE A-2 (Continued)



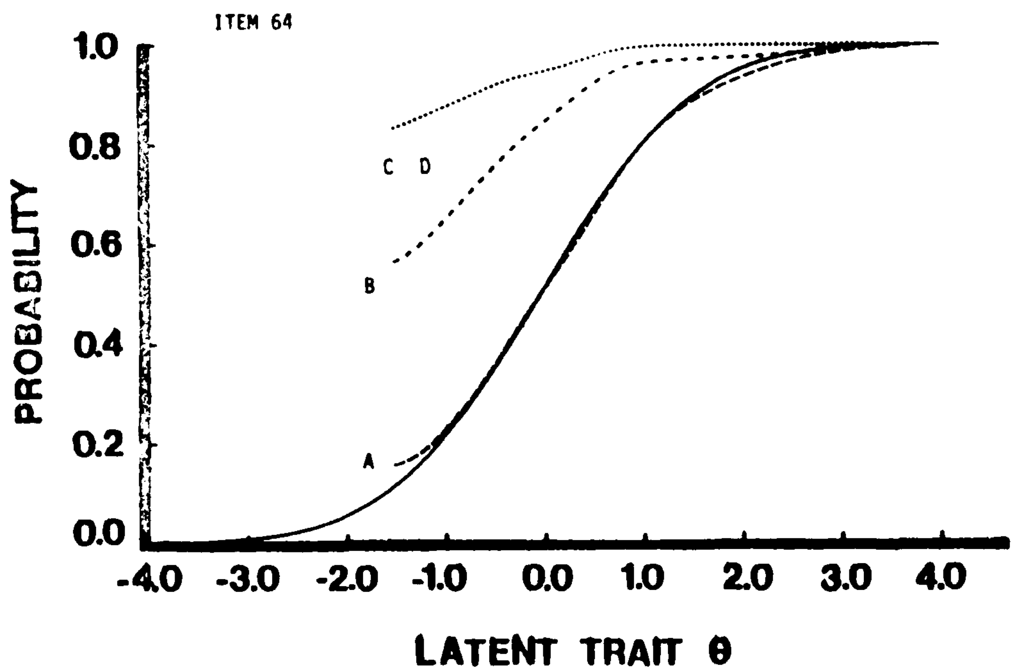


FIGURE A-2 (Continued)

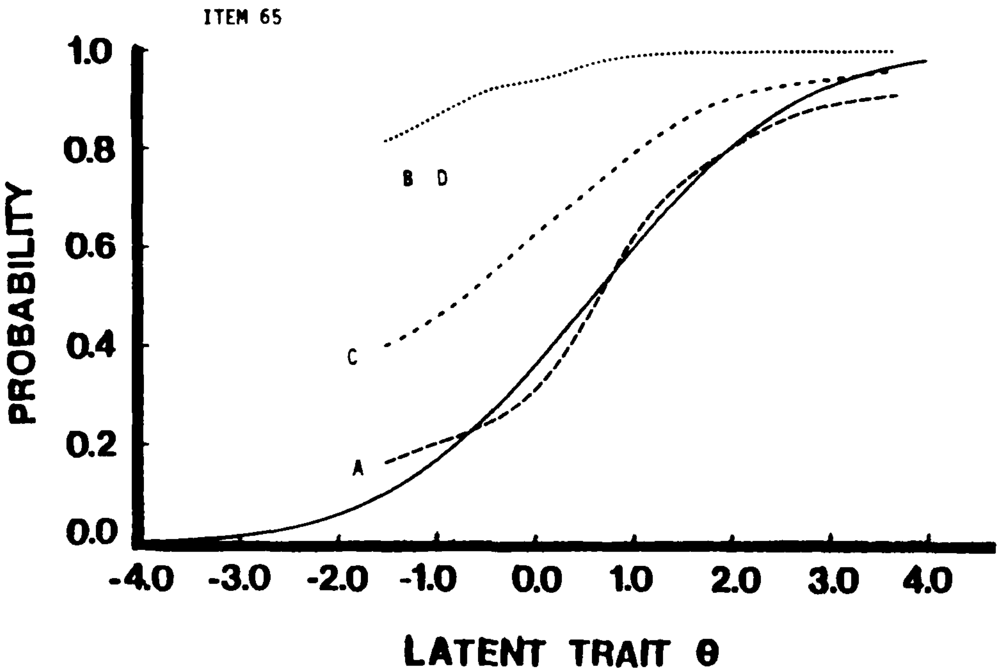


FIGURE A-2 (Continued)

TABLE A-1

Original, Revised And Rescaled Coefficients of the Polynomials of Degrees 3, 4, 5, 6 And 7, Obtained by the Method of Moments with Each of the Four Different Intervals of θ, for the Purpose of Approximating $[I(\theta)]^{1/2}$ of the Old Test. θ=(-4.0, 4.0).

(1) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 3

ORIGINAL :	0.17016268D+00	-0.10559922D-01	-0.84680034D-02	0.61144865D-03
REVISED :	0.17016268D+00	-0.10559922D-01	-0.84680034D-02	0.61144865D-03

(2) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 4

ORIGINAL :	0.17742273D+00	-0.10559922D-01	-0.13005531D-01	0.61144865D-03
	0.33086136D-03			
REVISED :	0.17742273D+00	-0.10559922D-01	-0.13005531D-01	0.61144865D-03
	0.33086136D-03			

(3) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 5

ORIGINAL :	0.17742273D+00	-0.12194846D-01	-0.13005531D-01	0.10883015D-02
	0.33086136D-03	-0.26822971D-04		
REVISED :	0.17742273D+00	-0.12194846D-01	-0.13005531D-01	0.10883015D-02
	0.33086136D-03	-0.26822971D-04		

(4) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 6

ORIGINAL :	0.18063386D+00	-0.12194846D-01	-0.17220137D-01	0.10883015D-02
	0.11211001D-02	-0.26822971D-04	-0.36219275D-04	
REVISED :	0.18063386D+00	-0.12194846D-01	-0.17220137D-01	0.10883015D-02
	0.11211001D-02	-0.26822971D-04	-0.36219275D-04	

(5) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 7

ORIGINAL :	0.18063386D+00	-0.12296887D-01	-0.17220137D-01	0.11455943D-02
	0.11211001D-02	-0.34724121D-04	-0.36219275D-04	0.30522972D-06
REVISED :	0.18063386D+00	-0.12296887D-01	-0.17220137D-01	0.11455943D-02
	0.11211001D-02	-0.34724121D-04	-0.36219275D-04	0.30522972D-06

CORRECTED COEFFICIENTS AFTER SCALE CHANGE

DEGREE 3 :	0.30303681D+01	-0.18805798D+00	-0.15080373D+00	0.10889076D-01
DEGREE 4 :	0.31596597D+01	-0.18805798D+00	-0.23161097D+00	0.10889076D-01
	0.58921948D-02			
DEGREE 5 :	0.31596597D+01	-0.21717377D+00	-0.23161097D+00	0.19381182D-01
	0.58921948D-02	-0.47768097D-03		
DEGREE 6 :	0.32168455D+01	-0.21717377D+00	-0.30666743D+00	0.19381182D-01
	0.19965282D-01	-0.47768097D-03	-0.64501648D-03	
DEGREE 7 :	0.32168455D+01	-0.21899099D+00	-0.30666743D+00	0.20401491D-01
	0.19965282D-01	-0.61838980D-03	-0.64501648D-03	0.54357299D-05

TABLE A-1 (Continued) $\theta = (-4.5, 4.5)$.

(1) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 3

ORIGINAL :	0.15772548D+00	-0.91039675D-02	-0.69058326D-02	0.45272567D-03
REVISED :	0.15772548D+00	-0.91039675D-02	-0.69058326D-02	0.45272567D-03

(2) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 4

ORIGINAL :	0.16773496D+00	-0.91039675D-02	-0.11848785D-01	0.45272567D-03
	0.28477915D-03			
REVISED :	0.16773496D+00	-0.91039675D-02	-0.11848785D-01	0.45272567D-03
	0.28477915D-03			

(3) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 5

ORIGINAL :	0.16773496D+00	-0.11682519D-01	-0.11848785D-01	0.10469597D-02
	0.28477915D-03	-0.26410401D-04		
REVISED :	0.16773496D+00	-0.11682519D-01	-0.11848785D-01	0.10469597D-02
	0.28477915D-03	-0.26410401D-04		

(4) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 6

ORIGINAL :	0.17115779D+00	-0.11682519D-01	-0.15398391D-01	0.10469597D-02
	0.81064670D-03	-0.26410401D-04	-0.19043763D-04	
REVISED :	0.17115779D+00	-0.11682519D-01	-0.15398391D-01	0.10469597D-02
	0.81064670D-03	-0.26410401D-04	-0.19043763D-04	

(5) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 7

ORIGINAL :	0.17115779D+00	-0.12348789D-01	-0.15398391D-01	0.13430225D-02
	0.81064670D-03	-0.58585458D-04	-0.19043763D-04	0.98343378D-06
REVISED :	0.17115779D+00	-0.12348789D-01	-0.15398391D-01	0.13430225D-02
	0.81064670D-03	-0.58585458D-04	-0.19043763D-04	0.98343378D-06

CORRECTED COEFFICIENTS AFTER SCALE CHANGE

DEGREE 3 :	0.29531218D+01	-0.17045518D+00	-0.12929911D+00	0.84764619D-02
DEGREE 4 :	0.31405310D+01	-0.17045518D+00	-0.22184688D+00	0.84764619D-02
	0.53319699D-02			
DEGREE 5 :	0.31405310D+01	-0.21873384D+00	-0.22184688D+00	0.19602409D-01
	0.53319629D-02	-0.49448656D-03		
DEGREE 6 :	0.32046173D+01	-0.21873384D+00	-0.28830677D+00	0.19602409D-01
	0.15177880D-01	-0.49448656D-03	-0.35655970D-03	
DEGREE 7 :	0.32046173D+01	-0.23120854D+00	-0.28830677D+00	0.25145645D-01
	0.15177880D-01	-0.10969058D-02	-0.35655970D-03	0.18413003D-04

TABLE A-1 (Continued) θ = (-5.0, 5.0).

(1) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 3

ORIGINAL :	0.14756713D+00	-0.78072095D-02	-0.57080556D-02	0.33361114D-03
REVISED :	0.14756713D+00	-0.78072095D-02	-0.57080556D-02	0.33361114D-03

(2) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 4

ORIGINAL :	0.16008789D+00	-0.78072095D-02	-0.10716359D-01	0.33361114D-03
	0.23372084D-03			
REVISED :	0.16008789D+00	-0.78072095D-02	-0.10716359D-01	0.33361114D-03
	0.23372084D-03			

(3) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 5

ORIGINAL :	0.16008789D+00	-0.10932460D-01	-0.10716359D-01	0.91699115D-03
	0.23372084D-03	-0.21001680D-04		
REVISED :	0.16008789D+00	-0.10932460D-01	-0.10716359D-01	0.91699115D-03
	0.23372084D-03	-0.21001680D-04		

(4) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 6

ORIGINAL :	0.16404925D+00	-0.10932460D-01	-0.14043899D-01	[illegible]
	0.63302561D-03	-0.21001680D-04	-0.11712940D-04	
REVISED :	0.16404925D+00	-0.10932460D-01	-0.14043899D-01	0.91699115D-03
	0.63302561D-03	-0.21001680D-04	-0.11712940D-04	

(5) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 7

ORIGINAL :	0.16404925D+00	-0.12133049D-01	-0.14043899D-01	0.13491709D-02
	0.63302561D-03	-0.59038242D-04	-0.11712940D-04	0.94179389D-06
REVISED :	0.16404925D+00	-0.12133049D-01	-0.14043899D-01	0.13491709D-02
	0.63302561D-03	-0.59038242D-04	-0.11712940D-04	0.94179389D-06

CORRECTED COEFFICIENTS AFTER SCALE CHANGE

DEGREE 3 :	0.28709337D+01	-0.15189006D+00	-0.11105081D+00	0.64904390D-02
DEGREE 4 :	0.31145263D+01	-0.15189006D+00	-0.20848787D+00	0.64904390D-02
	0.45470630D-02			
DEGREE 5 :	0.31145263D+01	-0.21269212D+00	-0.20848787D+00	0.17840157D-01
	0.45470630D-02	-0.40858985D-03		
DEGREE 6 :	0.31915950D+01	-0.21269212D+00	-0.27322550D+00	0.17840157D-01
	0.12315578D-01	-0.40858985D-03	-0.22787645D-03	
DEGREE 7 :	0.31915950D+01	-0.23604572D+00	-0.27322550D+00	0.26248259D-01
	0.12315578D-01	-0.11485951D-02	-0.22787645D-03	0.18322697D-04

TABLE A-1 (Continued) $\theta = (-5.5, 5.5)$.

(1) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 3

ORIGINAL :	0.13897606D+00	-0.66841552D-02	-0.47669720D-02	0.24647146D-03
REVISED :	0.13897606D+00	-0.66841552D-02	-0.47669720D-02	0.24647146D-03

(2) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 4

ORIGINAL :	0.15377270D+00	-0.66841552D-02	-0.96584222D-02	0.24647146D-03
	0.18865097D-03			
REVISED :	0.15377270D+00	-0.66841552D-02	-0.96584222D-02	0.24647146D-03
	0.18865097D-03			

(3) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 5

ORIGINAL :	0.15377270D+00	-0.10082390D-01	-0.96584222D-02	0.77071701D-03
	0.18865097D-03	-0.15597388D-04		
REVISED :	0.15377270D+00	-0.10082390D-01	-0.96584222D-02	0.77071701D-03
	0.18865097D-03	-0.15597388D-04		

(4) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 6

ORIGINAL :	0.15851183D+00	-0.10082390D-01	-0.12948399D-01	0.77071701D-03
	0.51492964D-03	-0.15597388D-04	-0.79097858D-05	
REVISED :	0.15851183D+00	-0.10082390D-01	-0.12948399D-01	0.77071701D-03
	0.51492964D-03	-0.15597388D-04	-0.79097858D-05	

(5) COEFFICIENTS OF THE POLYNOMIAL OF DEGREE 7

ORIGINAL :	0.15851183D+00	-0.11735340D-01	-0.12948399D-01	0.12624849D-02
	0.51492964D-03	-0.51364653D-04	-0.7909 858D-05	0.73192857D-06
REVISED :	0.15851183D+00	-0.11735340D-01	-0.12948399D-01	0.12624849D-02
	0.51492964D-03	-0.51364653D-04	-0.79097858D-05	0.73192857D-06

CORRECTED COEFFICIENTS AFTER SCALE CHANGE

DEGREE 3 :	0.27855216D+01	-0.13397170D+00	-0.95545258D-01	0.49400708D-02
DEGREE 4 :	0.30820932D+01	-0.13397170D+00	-0.19358546D+00	0.49400708D-02
	0.37811647D-02			
DEGREE 5 :	0.30820932D+01	-0.20208311D+00	-0.19358546D+00	0.15447617D-01
	0.37811647D-02	-0.31262120D-03		
DEGREE 6 :	0.31770805D+01	-0.20208311D+00	-0.25952703D+00	0.15447617D-01
	0.10320825D-01	-0.31262120D-03	-0.15853723D-03	
DEGREE 7 :	0.31770805D+01	-0.23521349D+00	-0.25952703D+00	0.25304207D-01
	0.10320825D-01	-0.10295108D-02	-0.15853723D-03	0.14670173D-04

TABLE A-2

Estimated Conditional Mean And the Second, Third And Fourth Conditional Moments About the Mean, Coefficients β_1 And β_2, And Pearson's Criterion κ for Each of the 2,356 $\hat{\tau}_s$'s . Degree 3 Case.

CONDITIONAL MEAN, 3 MOMENTS ABOUT MEAN OF TAU, GIVEN MLE TAU, AND PEARSON COEFFICIENTS AND CRITERICN KAPPA

SUBJECT 102 (ISBM)	101 (ISBJ)	MLE (TAU)	MEAN	MOMENTS ABOUT MEAN 2	3	4	BETA1	BETA2	CRITERION	TYPE	103
1	1	-1.9174	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
2	2	-1.8475	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
3	3	-1.8463	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
4	4	-1.8426	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
5	5	-1.8244	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
6	6	-1.8061	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
7	7	-1.72717	5.07052	-46.48611	635.16270	-6517.56190	*********	*********	*******	9	1
8	8	-1.72593	4.25988	-36.06712	434.32879	-3929.42981	*********	*********	*******	9	2
9	9	-1.71733	1.54714	-10.75849	71.18831	-355.28083	*********	*********	*******	9	3
10	10	-1.70633	0.35181	-4.27757	18.08094	-58.10565	*********	*********	*******	9	4
11	11	-1.70102	0.04388	-3.07073	11.09027	-30.60094	*********	*********	*******	9	5
12	12	-1.69602	-0.17077	-2.34151	7.45307	-18.21708	*********	*********	*******	9	6
13	13	-1.67434	-0.69142	-0.95426	2.04936	-3.46647	*********	*********	*******	9	7
14	14	-1.65466	-0.91478	-0.52346	0.89622	-1.23545	*********	*********	*******	9	8
15	15	-1.65274	-0.93044	-0.49689	0.83591	-1.13429	*********	*********	*******	9	9
16	16	-1.64414	-0.99165	-0.39744	0.62307	-0.79332	*********	*********	*******	9	10
17	17	-1.62873	-1.07339	-0.27528	0.39196	-0.45571	*********	*********	*******	9	11
18	18	-1.61502	-1.12541	-0.20333	0.27351	-0.29875	*********	*********	*******	9	12
19	19	-1.60356	-1.15850	-0.15947	0.20861	-0.21832	*********	*********	*******	9	13
20	20	-1.59376	-1.18111	-0.13006	0.16848	-0.17085	*********	*********	*******	9	14
21	21	-1.59294	-1.18281	-0.12786	0.16559	-0.16750	*********	*********	*******	9	15
22	22	-1.58287	-1.20140	-0.10376	0.13510	-0.13279	*********	*********	*******	9	16
23	23	-1.57107	-1.21876	-0.08091	0.10816	-0.10309	*********	*********	*******	9	17
24	24	-1.56899	-1.22139	-0.07738	0.10419	-0.09879	*********	*********	*******	9	18
25	25	-1.55340	-1.23773	-0.05462	0.07975	-0.07280	*********	*********	*******	9	19
26	26	-1.55090	-1.23985	-0.05149	0.07656	-0.06948	*********	*********	*******	9	20
27	27	-1.54361	-1.24535	-0.04307	0.06820	-0.06081	*********	*********	*******	9	21
28	28	-1.54034	-1.24752	-0.03958	0.06484	-0.05734	*********	*********	*******	9	22
29	29	-1.53166	-1.25241	-0.03114	0.05694	-0.04926	*********	*********	*******	9	23
30	30	-1.52816	-1.25407	-0.02804	0.05411	-0.04639	*********	*********	*******	9	24
31	31	-1.52194	-1.25660	-0.02288	0.04953	-0.04176	*********	*********	*******	9	25
32	32	-1.50638	-1.26087	-0.01177	0.04014	-0.03233	*********	*********	*******	9	26
33	33	-1.50427	-1.26124	-0.01044	0.03906	-0.03124	*********	*********	*******	9	27
34	34	-1.50060	-1.26179	-0.00820	0.03726	-0.02945	*********	*********	*******	9	28
35	35	-1.49593	-1.26230	-0.00550	0.03513	-0.02732	*********	*********	*******	9	29
36	36	-1.49350	-1.26248	-0.00415	0.03409	-0.02628	*********	*********	*******	9	30
37	37	-1.48634	-1.26274	-0.00041	0.03124	-0.02344	*********	*********	*******	9	31
38	38	-1.48430	-1.26274	0.00059	0.03049	-0.02269	*********	*********	*******	9	32
39	39	-1.48274	-1.26272	0.00135	0.02993	-0.02213	*********	*********	*******	9	33
40	40	-1.47656	-1.26244	0.00420	0.02784	-0.02005	10438.794	*********	*******	9	34
41	41	-1.47410	-1.26225	0.00528	0.02707	-0.01928	4965.468	*********	*******	9	35
42	42	-1.46659	-1.26143	0.00840	0.02487	-0.01708	1042.476	*********	*******	9	36
43	43	-1.45652	-1.25976	0.01219	0.02228	-0.01449	273.691	*********	*******	9	37

TABLE A-2 (Continued)

44	44	-1.45000	-1.25837	0.01444	0.02079	-0.01300	143.464	*********	*******	9	38
45	45	-1.44492	-1.25713	0.01609	0.01972	-0.01192	93.368	*********	*******	9	39
46	46	-1.43785	-1.25519	0.01824	0.01835	-0.01054	55.488	*********	*******	9	40
47	47	-1.43376	-1.25395	0.01941	0.01761	-0.00979	42.392	*********	*******	9	41
48	48	-1.41944	-1.24906	0.02318	0.01533	-0.00747	18.865	*********	*******	9	42
49	49	-1.41529	-1.24750	0.02418	0.01474	-0.00687	15.380	*********	*******	9	43
50	50	-1.40496	-1.24330	0.02650	0.01340	-0.00549	9.653	*********	*******	9	44
51	51	-1.40324	-1.24257	0.02687	0.01320	-0.00527	8.980	*********	*******	9	45
52	52	-1.39843	-1.24046	0.02786	0.01264	-0.00469	7.388	*********	*******	9	46
53	53	-1.39214	-1.23759	0.02910	0.01196	-0.00398	5.804	*********	*******	9	47
54	54	-1.38447	-1.23393	0.03052	0.01119	-0.00318	4.407	*********	*******	9	48
55	55	-1.37290	-1.22810	0.03249	0.01016	-0.00208	3.007	*********	*******	9	49
56	56	-1.36745	-1.22523	0.03336	0.00971	-0.00161	2.541	*********	*******	9	50
57	57	-1.36583	-1.22436	0.03361	0.00959	-0.00147	2.420	*********	*******	9	51
58	58	-1.36226	-1.22243	0.03415	0.00931	-0.00118	2.178	*********	*******	9	52
59	59	-1.35858	-1.22040	0.03469	0.00904	-0.00089	1.959	*********	*******	9	53
60	60	-1.35405	-1.21786	0.03533	0.00872	-0.00054	1.725	*********	*******	9	54
61	61	-1.34901	-1.21498	0.03602	0.00839	-0.00018	1.505	*********	*******	9	55
62	62	-1.34150	-1.21059	0.03700	0.00792	0.00034	1.237	0.248	0.130	4	56
63	63	-1.33960	-1.20947	0.03724	0.00780	0.00046	1.179	0.335	0.168	4	57
64	64	-1.32837	-1.20265	0.03859	0.00718	0.00116	0.896	0.780	-1.044	1	58
65	65	-1.32476	-1.20041	0.03900	0.00699	0.00137	0.823	0.901	-0.414	1	59
66	66	-1.32364	-1.19971	0.03912	0.00693	0.00143	0.802	0.937	-0.355	1	60
67	67	-1.32255	-1.19903	0.03924	0.00688	0.00150	0.783	0.971	-0.313	1	61
68	68	-1.31784	-1.19605	0.03975	0.00665	0.00175	0.703	1.110	-0.216	1	62
69	69	-1.30624	-1.18857	0.04093	0.00612	0.00235	0.546	1.403	-0.138	1	63
70	70	-1.30401	-1.18710	0.04115	0.00603	0.00246	0.521	1.452	-0.131	1	64
71	71	-1.29765	-1.18288	0.04175	0.00577	0.00276	0.457	1.581	-0.115	1	65
72	72	-1.29510	-1.1811.	0.04198	0.00567	0.00287	0.434	1.629	-0.110	1	66
73	73	-1.29343	-1.18005	0.04213	0.00560	0.00295	0.420	1.659	-0.108	1	67
74	74	-1.29199	-1.17908	0.04226	0.00555	0.00301	0.408	1.685	-0.105	1	68
75	75	-1.29114	-1.17850	0.04234	0.00552	0.00305	0.401	1.699	-0.104	1	69
76	76	-1.28952	-1.17740	0.04248	0.00546	0.00312	0.389	1.727	-0.102	1	70
77	77	-1.28410	-1.17370	0.04294	0.00526	0.00334	0.350	1.813	-0.095	1	71
78	78	-1.28406	-1.17367	0.04295	0.00526	0.00334	0.349	1.813	-0.095	1	72
79	79	-1.27758	-1.16919	0.04348	0.00504	0.00360	0.309	1.906	-0.089	1	73
80	80	-1.27370	-1.16648	0.04379	0.00491	0.00375	0.288	1.957	-0.086	1	74
81	81	-1.26853	-1.16284	0.04419	0.00475	0.00395	0.262	2.021	-0.082	1	75
82	82	-1.26754	-1.16214	0.04427	0.00472	0.00398	0.257	2.032	-0.082	1	76
83	83	-1.26481	-1.16020	0.04447	0.00464	0.00408	0.245	2.063	-0.080	1	77
84	84	-1.26397	-1.15961	0.04453	0.00462	0.00411	0.241	2.072	-0.080	1	78
85	85	-1.26354	-1.15930	0.04456	0.00460	0.00412	0.239	2.077	-0.079	1	79
86	86	-1.25985	-1.15666	0.04483	0.00450	0.00425	0.224	2.116	-0.077	1	80
87	87	-1.25642	-1.15420	0.04508	0.00440	0.00437	0.211	2.150	-0.075	1	81
88	88	-1.25500	-1.15317	0.04518	0.00436	0.00442	0.206	2.164	-0.075	1	82
89	89	-1.24779	-1.14793	0.04567	0.00417	0.00465	0.183	2.229	-0.071	1	83
90	90	-1.24612	-1.14670	0.04578	0.00413	0.00470	0.178	2.243	-0.071	1	84
91	91	-1.24489	-1.14580	0.04586	0.00410	0.00474	0.174	2.253	-0.070	1	85
92	92	-1.24489	-1.14580	0.04586	0.00410	0.00474	0.174	2.253	-0.070	1	86
93	93	-1.24395	-1.14512	0.04592	0.00407	0.00477	0.171	2.261	-0.070	1	87
94	94	-1.24382	-1.14502	0.04593	0.00407	0.00477	0.171	2.262	-0.070	1	88
95	95	-1.23893	-1.14142	0.04624	0.00395	0.00492	0.158	2.300	-0.068	1	89
96	96	-1.23622	-1.13940	0.04641	0.00389	0.00500	0.151	2.320	-0.067	1	90
97	97	-1.23214	-1.13636	0.04666	0.00379	0.00512	0.142	2.349	-0.065	1	91
98	98	-1.22747	-1.13287	0.04694	0.00369	0.00524	0.132	2.380	-0.064	1	92
99	99	-1.22618	-1.13190	0.04702	0.00366	0.00528	0.129	2.388	-0.063	1	93
100	100	-1.22315	-1.12962	0.04720	0.00360	0.00536	0.123	2.407	-0.062	1	94
101	101	-1.22102	-1.12801	0.04732	0.00355	0.00542	0.119	2.420	-0.062	1	95
102	102	-1.21950	-1.12685	0.04740	0.00352	0.00546	0.116	2.429	-0.061	1	96
103	103	-1.21917	-1.12660	0.04742	0.00351	0.00547	0.116	2.430	-0.061	1	97
104	104	-1.21571	-1.12397	0.04761	0.00344	0.00555	0.110	2.450	-0.060	1	98
105	105	-1.21329	-1.12212	0.04775	0.00339	0.00562	0.106	2.463	-0.060	1	99
106	106	-1.21245	-1.12149	0.04779	0.00338	0.00564	0.105	2.467	-0.059	1	100
107	107	-1.20990	-1.11953	0.04793	0.00333	0.00570	0.101	2.481	-0.059	1	101
108	108	-1.20794	-1.11802	0.04803	0.00329	0.00575	0.098	2.491	-0.058	1	102
109	109	-1.20500	-1.11576	0.04819	0.00324	0.00582	0.094	2.505	-0.057	1	103

TABLE A-2 (Continued)

110	110	-1.20373	-1.11479	0.04825	0.00321	0.00585	0.092	2.511	-0.057	1	104
111	111	-1.19549	-1.10839	0.04867	0.00307	0.00603	0.082	2.548	-0.055	1	105
112	112	-1.19227	-1.10589	0.04882	0.00301	0.00610	0.078	2.561	-0.054	1	106
113	113	-1.19022	-1.10428	0.04892	0.00298	0.00615	0.076	2.569	-0.054	1	107
114	114	-1.18918	-1.10347	0.04897	0.00296	0.00617	0.075	2.574	-0.054	1	108
115	115	-1.18780	-1.10239	0.04904	0.00294	0.00620	0.073	2.579	-0.053	1	109
116	116	-1.18759	-1.10222	0.04905	0.00294	0.00621	0.073	2.580	-0.053	1	110
117	117	-1.18662	-1.10146	0.04909	0.00292	0.00623	0.072	2.584	-0.053	1	111
118	118	-1.18444	-1.09974	0.04919	0.00289	0.00627	0.070	2.592	-0.052	1	112
119	119	-1.18379	-1.09923	0.04922	0.00288	0.00629	0.069	2.594	-0.052	1	113
120	120	-1.18033	-1.09651	0.04938	0.00282	0.00636	0.066	2.607	-0.052	1	114
121	121	-1.17432	-1.09175	0.04965	0.00273	0.00648	0.061	2.627	-0.050	1	115
122	122	-1.17320	-1.09085	0.04970	0.00272	0.00650	0.060	2.631	-0.050	1	116
123	123	-1.17311	-1.09078	0.04970	0.00271	0.00650	0.060	2.631	-0.050	1	117
124	124	-1.17295	-1.09065	0.04971	0.00271	0.00650	0.060	2.632	-0.050	1	118
125	125	-1.17032	-1.08856	0.04982	0.00267	0.00655	0.058	2.640	-0.050	1	119
126	126	-1.16882	-1.08736	0.04988	0.00265	0.00658	0.057	2.645	-0.049	1	120
127	127	-1.16824	-1.08690	0.04991	0.00264	0.00659	0.056	2.647	-0.049	1	121
128	128	-1.16677	-1.08573	0.04997	0.00262	0.00662	0.055	2.651	-0.049	1	122
129	129	-1.16614	-1.08522	0.05000	0.00262	0.00663	0.055	2.653	-0.049	1	123
130	130	-1.16234	-1.08217	0.05015	0.00256	0.00670	0.052	2.664	-0.048	1	124
131	131	-1.16181	-1.08175	0.05018	0.00256	0.00671	0.052	2.666	-0.048	1	125
132	132	-1.15973	-1.08008	0.05026	0.00253	0.00675	0.050	2.672	-0.048	1	126
133	133	-1.15954	-1.07992	0.05027	0.00253	0.00675	0.050	2.672	-0.048	1	127
134	134	-1.15850	-1.07909	0.05031	0.00251	0.00677	0.050	2.675	-0.047	1	128
135	135	-1.15614	-1.07719	0.05040	0.00248	0.00681	0.048	2.682	-0.047	1	129
136	136	-1.15561	-1.07676	0.05043	0.00247	0.00682	0.048	2.683	-0.047	1	130
137	137	-1.15560	-1.07676	0.05043	0.00247	0.00682	0.048	2.683	-0.047	1	131
138	138	-1.14868	-1.07115	0.05070	0.00239	0.00694	0.044	2.701	-0.046	1	132
139	139	-1.14793	-1.07054	0.05072	0.00238	0.00695	0.043	2.703	-0.046	1	133
140	140	-1.14704	-1.06982	0.05076	0.00237	0.00697	0.043	2.705	-0.045	1	134
141	141	-1.14702	-1.06981	0.05076	0.00237	0.00697	0.043	2.705	-0.045	1	135
142	142	-1.14688	-1.06969	0.05076	0.00237	0.00697	0.043	2.705	-0.045	1	136
143	143	-1.14621	-1.06915	0.05079	0.00236	0.00698	0.042	2.707	-0.045	1	137
144	144	-1.14459	-1.06783	0.05085	0.00234	0.00701	0.042	2.711	-0.045	1	138
145	145	-1.14423	-1.06754	0.05086	0.00233	0.00702	0.041	2.712	-0.045	1	139
146	146	-1.14095	-1.06486	0.05098	0.00229	0.00707	0.040	2.719	-0.044	1	140
147	147	-1.14066	-1.06463	0.05100	0.00229	0.00707	0.040	2.720	-0.044	1	141
148	148	-1.13685	-1.06151	0.05113	0.00225	0.00713	0.038	2.728	-0.044	1	142
149	149	-1.13584	-1.06069	0.05117	0.00224	0.00715	0.037	2.731	-0.044	1	143
150	150	-1.13425	-1.05939	0.05123	0.00222	0.00717	0.037	2.734	-0.043	1	144
151	151	-1.12877	-1.05489	0.05142	0.00216	0.00726	0.034	2.745	-0.042	1	145
152	152	-1.12864	-1.05478	0.05142	0.00216	0.00726	0.034	2.746	-0.042	1	146
153	153	-1.12399	-1.05095	0.05158	0.00211	0.00733	0.032	2.755	-0.042	1	147
154	154	-1.12299	-1.05012	0.05162	0.00210	0.00734	0.032	2.757	-0.042	1	148
155	155	-1.12216	-1.04943	0.05164	0.00209	0.00736	0.032	2.758	-0.041	1	149
156	156	-1.12135	-1.04877	0.05167	0.00208	0.00737	0.031	2.760	-0.041	1	150
157	157	-1.12004	-1.04768	0.05171	0.00207	0.00739	0.031	2.762	-0.041	1	151
158	158	-1.11906	-1.04687	0.05175	0.00206	0.00740	0.031	2.764	-0.041	1	152
159	159	-1.11875	-1.04662	0.05176	0.00205	0.00741	0.030	2.765	-0.041	1	153
160	160	-1.11537	-1.04382	0.05187	0.00202	0.00745	0.029	2.771	-0.041	1	154
161	161	-1.11410	-1.04276	0.05191	0.00201	0.00747	0.029	2.773	-0.040	1	155
162	162	-1.11353	-1.04229	0.05193	0.00200	0.00748	0.029	2.774	-0.040	1	156
163	163	-1.11336	-1.04214	0.05193	0.00200	0.00748	0.029	2.774	-0.040	1	157
164	164	-1.11298	-1.04183	0.05194	0.00200	0.00749	0.028	2.775	-0.040	1	158
165	165	-1.11218	-1.04117	0.05197	0.00199	0.00750	0.028	2.776	-0.040	1	159
166	166	-1.11017	-1.03949	0.05203	0.00197	0.00753	0.028	2.780	-0.040	1	160
167	167	-1.10836	-1.03799	0.05209	0.00195	0.00755	0.027	2.783	-0.040	1	161
168	168	-1.10836	-1.03798	0.05209	0.00195	0.00755	0.027	2.783	-0.040	1	162
169	169	-1.10733	-1.03713	0.05212	0.00194	0.00756	0.027	2.784	-0.039	1	163
170	170	-1.10708	-1.03692	0.05213	0.00194	0.00757	0.027	2.785	-0.039	1	164
171	171	-1.10637	-1.03633	0.05215	0.00193	0.00758	0.026	2.786	-0.039	1	165
172	172	-1.10155	-1.03230	0.05230	0.00189	0.00764	0.025	2.793	-0.039	1	166
173	173	-1.10054	-1.03145	0.05233	0.00188	0.00765	0.025	2.795	-0.039	1	167
174	174	-1.10044	-1.03137	0.05233	0.00188	0.00765	0.025	2.795	-0.039	1	168
175	175	-1.09862	-1.02985	0.05239	0.00186	0.00768	0.024	2.798	-0.038	1	169

TABLE A-2 (Continued)

176	176	-1.09861	-1.02984	0.05239	0.00186	0.00768	0.024	2.798	-0.038	1	170
177	177	-1.09284	-1.02499	0.05256	0.00181	0.00775	0.023	2.806	-0.038	1	171
178	178	-1.08762	-1.02060	0.05271	0.00177	0.00782	0.021	2.813	-0.037	1	172
179	179	-1.08637	-1.01954	0.05274	0.00176	0.00783	0.021	2.815	-0.037	1	173
180	180	-1.08589	-1.01914	0.05275	0.00175	0.00784	0.021	2.816	-0.037	1	174
181	181	-1.08406	-1.01759	0.05281	0.00174	0.00786	0.021	2.818	-0.036	1	175
182	182	-1.08298	-1.01668	0.05284	0.00173	0.00787	0.020	2.820	-0.036	1	176
183	183	-1.08258	-1.01634	0.05285	0.00173	0.00788	0.020	2.820	-0.036	1	177
184	184	-1.08194	-1.01580	0.05286	0.00172	0.00788	0.020	2.821	-0.036	1	178
185	185	-1.08017	-1.01430	0.05291	0.00171	0.00790	0.020	2.823	-0.036	1	179
186	186	-1.07985	-1.01403	0.05292	0.00171	0.00791	0.020	2.824	-0.036	1	180
187	187	-1.07930	-1.01356	0.05294	0.00170	0.00791	0.020	2.824	-0.036	1	181
188	188	-1.07719	-1.01177	0.05299	0.00168	0.00794	0.019	2.827	-0.036	1	182
189	189	-1.07491	-1.00984	0.05305	0.00167	0.00796	0.019	2.830	-0.035	1	183
190	190	-1.07218	-1.00752	0.05313	0.00165	0.00800	0.018	2.833	-0.035	1	184
191	191	-1.07109	-1.00660	0.05316	0.00164	0.00801	0.018	2.834	-0.035	1	185
192	192	-1.06980	-1.00550	0.05319	0.00163	0.00802	0.018	2.836	-0.035	1	186
193	193	-1.06762	-1.00365	0.05325	0.00161	0.00805	0.017	2.838	-0.035	1	187
194	194	-1.06477	-1.00121	0.05332	0.00159	0.00808	0.017	2.841	-0.034	1	188
195	195	-1.06085	-0.99786	0.05342	0.00156	0.00812	0.016	2.845	-0.034	1	189
196	196	-1.05792	-0.99536	0.05349	0.00154	0.00815	0.016	2.849	-0.034	1	190
197	197	-1.05778	-0.99524	0.05349	0.00154	0.00815	0.016	2.849	-0.034	1	191
198	198	-1.05576	-0.99351	0.05354	0.00153	0.00817	0.015	2.851	-0.033	1	192
199	199	-1.05315	-0.99127	0.05361	0.00151	0.00820	0.015	2.853	-0.033	1	193
200	200	-1.05304	-0.99118	0.05361	0.00151	0.00820	0.015	2.853	-0.033	1	194
201	201	-1.05269	-0.99088	0.05362	0.00151	0.00820	0.015	2.854	-0.033	1	195
202	202	-1.05255	-0.99076	0.05362	0.00151	0.00821	0.015	2.854	-0.033	1	196
203	203	-1.05209	-0.99036	0.05363	0.00150	0.00821	0.015	2.854	-0.033	1	197
204	204	-1.04908	-0.98778	0.05371	0.00148	0.00824	0.014	2.857	-0.033	1	198
205	205	-1.04796	-0.98682	0.05373	0.00148	0.00825	0.014	2.858	-0.033	1	199
206	206	-1.04748	-0.98640	0.05374	0.00147	0.00826	0.014	2.859	-0.032	1	200
207	207	-1.04562	-0.98481	0.05379	0.00146	0.00828	0.014	2.861	-0.032	1	201
208	208	-1.04549	-0.98469	0.05379	0.00146	0.00828	0.014	2.861	-0.032	1	202
209	209	-1.04538	-0.98460	0.05379	0.00146	0.00828	0.014	2.861	-0.032	1	203
210	210	-1.04513	-0.98438	0.05380	0.00146	0.00828	0.014	2.861	-0.032	1	204
211	211	-1.04434	-0.98370	0.05382	0.00145	0.00829	0.014	2.862	-0.032	1	205
212	212	-1.04421	-0.98359	0.05382	0.00145	0.00829	0.014	2.862	-0.032	1	206
213	213	-1.04277	-0.98235	0.05385	0.00144	0.00830	0.013	2.863	-0.032	1	207
214	214	-1.04084	-0.98068	0.05390	0.00143	0.00832	0.013	2.865	-0.032	1	208
215	215	-1.03957	-0.97959	0.05393	0.00142	0.00833	0.013	2.866	-0.032	1	209
216	216	-1.03879	-0.97892	0.05394	0.00142	0.00834	0.013	2.867	-0.032	1	210
217	217	-1.03874	-0.97887	0.05395	0.00142	0.00834	0.013	2.867	-0.032	1	211
218	218	-1.03871	-0.97885	0.05395	0.00142	0.00834	0.013	2.867	-0.032	1	212
219	219	-1.03500	-0.97564	0.05403	0.00139	0.00838	0.012	2.870	-0.031	1	213
220	220	-1.03484	-0.97551	0.05403	0.00139	0.00838	0.012	2.870	-0.031	1	214
221	221	-1.03430	-0.97504	0.05404	0.00139	0.00838	0.012	2.871	-0.031	1	215
222	222	-1.03255	-0.97352	0.05408	0.00138	0.00840	0.012	2.872	-0.031	1	216
223	223	-1.03189	-0.97295	0.05410	0.00138	0.00841	0.012	2.873	-0.031	1	217
224	224	-1.02934	-0.97074	0.05415	0.00136	0.00843	0.012	2.875	-0.031	1	218
225	225	-1.02894	-0.97040	0.05416	0.00136	0.00843	0.012	2.875	-0.031	1	219
226	226	-1.02872	-0.97021	0.05417	0.00136	0.00844	0.012	2.875	-0.031	1	220
227	227	-1.02775	-0.96937	0.05419	0.00135	0.00844	0.011	2.876	-0.031	1	221
228	228	-1.02718	-0.96887	0.05420	0.00135	0.00845	0.011	2.876	-0.031	1	222
229	229	-1.02564	-0.96753	0.05423	0.00134	0.00846	0.011	2.878	-0.030	1	223
230	230	-1.02321	-0.96542	0.05429	0.00133	0.00849	0.011	2.879	-0.030	1	224
231	231	-1.02274	-0.96502	0.05430	0.00132	0.00849	0.011	2.880	-0.030	1	225
232	232	-1.02184	-0.96424	0.05431	0.00132	0.00850	0.011	2.880	-0.030	1	226
233	233	-1.02123	-0.96370	0.05433	0.00131	0.00850	0.011	2.881	-0.030	1	227
234	234	-1.02080	-0.96333	0.05434	0.00131	0.00851	0.011	2.881	-0.030	1	228
235	235	-1.02077	-0.96330	0.05434	0.00131	0.00851	0.011	2.881	-0.030	1	229
236	236	-1.02050	-0.96307	0.05434	0.00131	0.00851	0.011	2.881	-0.030	1	230
237	237	-1.01636	-0.95947	0.05443	0.00129	0.00855	0.010	2.885	-0.030	1	231
238	238	-1.01631	-0.95942	0.05443	0.00129	0.00855	0.010	2.885	-0.030	1	232
239	239	-1.01598	-0.95914	0.05444	0.00128	0.00855	0.010	2.885	-0.029	1	233
240	240	-1.01390	-0.95733	0.05448	0.00127	0.00857	0.010	2.886	-0.029	1	234
241	241	-1.01385	-0.95728	0.05448	0.00127	0.00857	0.010	2.886	-0.029	1	235

TABLE A-2 (Continued)

242	242	-1.01361	-0.95707	0.05449	0.00127	0.00857	0.010	2.887	-0.029	1	236
243	243	-1.01115	-0.95493	0.05453	0.00126	0.00859	0.010	2.888	-0.029	1	237
244	244	-1.00824	-0.95238	0.05459	0.00124	0.00861	0.010	2.890	-0.029	1	238
245	245	-1.00744	-0.95169	0.05461	0.00124	0.00862	0.009	2.891	-0.029	1	239
246	246	-1.00637	-0.95076	0.05463	0.00123	0.00863	0.009	2.891	-0.029	1	240
247	247	-1.00583	-0.95028	0.05464	0.00123	0.00863	0.009	2.892	-0.029	1	241
248	248	-1.00580	-0.95026	0.05464	0.00123	0.00863	0.009	2.892	-0.029	1	242
249	249	-1.00540	-0.94990	0.05465	0.00123	0.00864	0.009	2.892	-0.029	1	243
250	250	-1.00189	-0.94683	0.05472	0.00121	0.00867	0.009	2.894	-0.028	1	244
251	251	-1.00035	-0.94549	0.05475	0.00120	0.00868	0.009	2.895	-0.028	1	245
252	252	-0.99697	-0.94252	0.05481	0.00119	0.00871	0.009	2.898	-0.028	1	246
253	253	-0.99630	-0.94194	0.05482	0.00118	0.00871	0.008	2.898	-0.028	1	247
254	254	-0.99495	-0.94075	0.05485	0.00118	0.00872	0.008	2.899	-0.028	1	248
255	255	-0.99483	-0.94065	0.05485	0.00118	0.00872	0.008	2.899	-0.028	1	249
256	256	-0.99465	-0.94049	0.05486	0.00118	0.00872	0.008	2.899	-0.028	1	250
257	257	-0.99460	-0.94044	0.05486	0.00117	0.00872	0.008	2.899	-0.028	1	251
258	258	-0.99460	-0.94044	0.05486	0.00117	0.00872	0.008	2.899	-0.028	1	252
259	259	-0.99410	-0.94000	0.05487	0.00117	0.00873	0.008	2.899	-0.028	1	253
260	260	-0.99399	-0.93991	0.05487	0.00117	0.00873	0.008	2.899	-0.028	1	254
261	261	-0.99339	-0.93938	0.05488	0.00117	0.00873	0.008	2.900	-0.028	1	255
262	262	-0.99134	-0.93758	0.05492	0.00116	0.00875	0.008	2.901	-0.027	1	256
263	263	-0.98867	-0.93523	0.05497	0.00115	0.00877	0.008	2.903	-0.027	1	257
264	264	-0.98522	-0.93220	0.05503	0.00113	0.00880	0.008	2.905	-0.027	1	258
265	265	-0.98461	-0.93166	0.05504	0.00113	0.00880	0.008	2.905	-0.027	1	259
266	266	-0.98366	-0.93082	0.05506	0.00112	0.00881	0.008	2.905	-0.027	1	260
267	267	-0.97994	-0.92754	0.05512	0.00111	0.00883	0.007	2.907	-0.027	1	261
268	268	-0.97981	-0.92743	0.05513	0.00111	0.00884	0.007	2.908	-0.027	1	262
269	269	-0.97938	-0.92705	0.05513	0.00110	0.00884	0.007	2.908	-0.026	1	263
270	270	-0.97654	-0.92454	0.05518	0.00109	0.00886	0.007	2.909	-0.026	1	264
271	271	-0.97555	-0.92367	0.05520	0.00109	0.00887	0.007	2.910	-0.026	1	265
272	272	-0.97356	-0.92191	0.05524	0.00108	0.00888	0.007	2.911	-0.026	1	266
273	273	-0.97131	-0.91992	0.05527	0.00107	0.00890	0.007	2.912	-0.026	1	267
274	274	-0.97071	-0.91939	0.05528	0.00107	0.00890	0.007	2.912	-0.026	1	268
275	275	-0.96901	-0.91789	0.05531	0.00106	0.00891	0.007	2.913	-0.026	1	269
276	276	-0.96671	-0.91585	0.05535	0.00105	0.00893	0.006	2.914	-0.026	1	270
277	277	-0.96265	-0.91225	0.05542	0.00103	0.00896	0.006	2.916	-0.025	1	271
278	278	-0.96199	-0.91166	0.05543	0.00103	0.00896	0.006	2.917	-0.025	1	272
279	279	-0.96151	-0.91124	0.05544	0.00103	0.00896	0.006	2.917	-0.025	1	273
280	280	-0.96028	-0.91015	0.05546	0.00102	0.00897	0.006	2.917	-0.025	1	274
281	281	-0.96005	-0.90994	0.05546	0.00102	0.00897	0.006	2.918	-0.025	1	275
282	282	-0.95885	-0.90889	0.05548	0.00102	0.00898	0.006	2.918	-0.025	2	276
283	283	-0.95877	-0.90881	0.05548	0.00102	0.00898	0.006	2.918	-0.025	2	277
284	284	-0.95841	-0.90849	0.05549	0.00101	0.00899	0.006	2.918	-0.025	2	278
285	285	-0.95800	-0.90813	0.05550	0.00101	0.00899	0.006	2.919	-0.025	2	279
286	286	-0.95656	-0.90685	0.05552	0.00101	0.00900	0.006	2.919	-0.025	2	280
287	287	-0.95597	-0.90632	0.05553	0.00100	0.00900	0.006	2.919	-0.025	2	281
288	288	-0.95565	-0.90604	0.05553	0.00100	0.00900	0.006	2.920	-0.025	2	282
289	289	-0.95480	-0.90528	0.05555	0.00100	0.00901	0.006	2.920	-0.025	2	283
290	290	-0.95404	-0.90460	0.05556	0.00100	0.00901	0.006	2.920	-0.025	2	284
291	291	-0.95333	-0.90398	0.05557	0.00099	0.00902	0.006	2.921	-0.025	2	285
292	292	-0.95329	-0.90394	0.05557	0.00099	0.00902	0.006	2.921	-0.025	2	286
293	293	-0.95171	-0.90254	0.05560	0.00099	0.00903	0.006	2.921	-0.024	2	287
294	294	-0.95147	-0.90232	0.05560	0.00099	0.00903	0.006	2.921	-0.024	2	288
295	295	-0.94666	-0.89804	0.05568	0.00097	0.00906	0.005	2.924	-0.024	2	289
296	296	-0.94586	-0.89733	0.05569	0.00097	0.00907	0.005	2.924	-0.024	2	290
297	297	-0.94511	-0.89666	0.05570	0.00096	0.00907	0.005	2.924	-0.024	2	291
298	298	-0.94411	-0.89577	0.05572	0.00096	0.00908	0.005	2.925	-0.024	2	292
299	299	-0.94343	-0.89516	0.05573	0.00096	0.00908	0.005	2.925	-0.024	2	293
300	300	-0.94275	-0.89455	0.05574	0.00095	0.00909	0.005	2.925	-0.024	2	294
301	301	-0.94039	-0.89245	0.05577	0.00095	0.00910	0.005	2.926	-0.024	2	295
302	302	-0.93998	-0.89209	0.05578	0.00094	0.00910	0.005	2.926	-0.024	2	296
303	303	-0.93872	-0.89096	0.05580	0.00094	0.00911	0.005	2.927	-0.024	2	297
304	304	-0.93753	-0.88990	0.05581	0.00093	0.00912	0.005	2.927	-0.024	2	298
305	305	-0.93707	-0.88949	0.05582	0.00093	0.00912	0.005	2.928	-0.024	2	299
306	306	-0.93628	-0.88878	0.05583	0.00093	0.00913	0.005	2.928	-0.023	2	300
307	307	-0.93580	-0.88835	0.05584	0.00093	0.00913	0.005	2.928	-0.023	2	301

TABLE A-2 (Continued)

308	308	-0.93463	-0.88731	0.05586	0.00092	0.00914	0.005	2.928	-0.023	2	302
309	309	-0.93377	-0.88654	0.05587	0.00092	0.00914	0.005	2.929	-0.023	2	303
310	310	-0.93129	-0.88432	0.05591	0.00091	0.00916	0.005	2.930	-0.023	2	304
311	311	-0.93093	-0.88400	0.05591	0.00091	0.00916	0.005	2.930	-0.023	2	305
312	312	-0.92928	-0.88252	0.05594	0.00091	0.00917	0.005	2.931	-0.023	2	306
313	313	-0.92783	-0.88122	0.05596	0.00090	0.00918	0.005	2.931	-0.023	2	307
314	314	-0.92598	-0.87957	0.05598	0.00089	0.00919	0.005	2.932	-0.023	2	308
315	315	-0.92509	-0.87877	0.05600	0.00089	0.00919	0.005	2.932	-0.023	2	309
316	316	-0.92489	-0.87859	0.05600	0.00089	0.00920	0.005	2.932	-0.023	2	310
317	317	-0.92450	-0.87824	0.05600	0.00089	0.00920	0.005	2.932	-0.023	2	311
318	318	-0.92380	-0.87762	0.05601	0.00089	0.00920	0.004	2.933	-0.023	2	312
319	319	-0.92360	-0.87744	0.05602	0.00089	0.00920	0.004	2.933	-0.023	2	313
320	320	-0.92328	-0.87715	0.05602	0.00089	0.00920	0.004	2.933	-0.023	2	314
321	321	-0.92194	-0.87595	0.05604	0.00088	0.00921	0.004	2.933	-0.023	2	315
322	322	-0.92194	-0.87594	0.05604	0.00088	0.00921	0.004	2.933	-0.023	2	316
323	323	-0.92132	-0.87539	0.05605	0.00088	0.00922	0.004	2.933	-0.023	2	317
324	324	-0.91970	-0.87393	0.05607	0.00087	0.00923	0.004	2.934	-0.022	2	318
325	325	-0.91936	-0.87363	0.05608	0.00087	0.00923	0.004	2.934	-0.022	2	319
326	326	-0.91914	-0.87344	0.05608	0.00087	0.00923	0.004	2.934	-0.022	2	320
327	327	-0.91749	-0.87196	0.05610	0.00087	0.00924	0.004	2.935	-0.022	2	321
328	328	-0.91596	-0.87058	0.05612	0.00086	0.00925	0.004	2.935	-0.022	2	322
329	329	-0.91508	-0.86979	0.05614	0.00086	0.00925	0.004	2.936	-0.022	2	323
330	330	-0.91409	-0.86890	0.05615	0.00085	0.00926	0.004	2.936	-0.022	2	324
331	331	-0.91286	-0.86779	0.05617	0.00085	0.00926	0.004	2.936	-0.022	2	325
332	332	-0.90617	-0.86178	0.05626	0.00083	0.00930	0.004	2.939	-0.022	2	326
333	333	-0.90572	-0.86137	0.05626	0.00083	0.00930	0.004	2.939	-0.022	2	327
334	334	-0.90564	-0.86130	0.05626	0.00083	0.00930	0.004	2.939	-0.022	2	328
335	335	-0.90432	-0.86011	0.05628	0.00082	0.00931	0.004	2.939	-0.021	2	329
336	336	-0.90427	-0.86007	0.05628	0.00082	0.00931	0.004	2.939	-0.021	2	330
337	337	-0.90329	-0.85918	0.05629	0.00082	0.00932	0.004	2.940	-0.021	2	331
338	338	-0.90284	-0.85878	0.05630	0.00082	0.00932	0.004	2.940	-0.021	2	332
339	339	-0.90006	-0.85627	0.05634	0.00081	0.00933	0.004	2.941	-0.021	2	333
340	340	-0.90000	-0.85622	0.05634	0.00081	0.00933	0.004	2.941	-0.021	2	334
341	341	-0.89928	-0.85557	0.05635	0.00081	0.00934	0.004	2.941	-0.021	2	335
342	342	-0.89858	-0.85494	0.05636	0.00081	0.00934	0.004	2.941	-0.021	2	336
343	343	-0.89701	-0.85352	0.05638	0.00080	0.00935	0.004	2.941	-0.021	2	337
344	344	-0.89642	-0.85299	0.05638	0.00080	0.00935	0.004	2.942	-0.021	2	338
345	345	-0.89493	-0.85164	0.05640	0.00080	0.00936	0.004	2.942	-0.021	2	339
346	346	-0.89321	-0.85009	0.05642	0.00079	0.00937	0.003	2.943	-0.021	2	340
347	347	-0.89254	-0.84949	0.05643	0.00079	0.00937	0.003	2.943	-0.021	2	341
348	348	-0.89141	-0.84847	0.05645	0.00079	0.00938	0.003	2.943	-0.021	2	342
349	349	-0.89135	-0.84841	0.05645	0.00079	0.00938	0.003	2.943	-0.021	2	343
350	350	-0.89124	-0.84832	0.05645	0.00078	0.00938	0.003	2.943	-0.021	2	344
351	351	-0.88950	-0.84674	0.05647	0.00078	0.00939	0.003	2.944	-0.021	2	345
352	352	-0.88825	-0.84562	0.05649	0.00078	0.00939	0.003	2.944	-0.021	2	346
353	353	-0.88686	-0.84436	0.05650	0.00077	0.00940	0.003	2.944	-0.021	2	347
354	354	-0.88512	-0.84279	0.05653	0.00077	0.00941	0.003	2.945	-0.020	2	348
355	355	-0.88509	-0.84276	0.05653	0.00077	0.00941	0.003	2.945	-0.020	2	349
356	356	-0.88499	-0.84267	0.05653	0.00077	0.00941	0.003	2.945	-0.020	2	350
357	357	-0.88421	-0.84196	0.05654	0.00076	0.00941	0.003	2.945	-0.020	2	351
358	358	-0.88405	-0.84181	0.05654	0.00076	0.00941	0.003	2.945	-0.020	2	352
359	359	-0.88306	-0.84092	0.05655	0.00076	0.00942	0.003	2.945	-0.020	2	353
360	360	-0.88289	-0.84077	0.05655	0.00076	0.00942	0.003	2.946	-0.020	2	354
361	361	-0.88263	-0.84054	0.05656	0.00076	0.00942	0.003	2.946	-0.020	2	355
362	362	-0.88201	-0.83998	0.05656	0.00076	0.00942	0.003	2.946	-0.020	2	356
363	363	-0.87991	-0.83807	0.05659	0.00075	0.00944	0.003	2.946	-0.020	2	357
364	364	-0.87752	-0.83591	0.05662	0.00075	0.00945	0.003	2.947	-0.020	2	358
365	365	-0.87707	-0.83550	0.05662	0.00075	0.00945	0.003	2.947	-0.020	2	359
366	366	-0.87677	-0.83523	0.05663	0.00074	0.00945	0.003	2.947	-0.020	2	360
367	367	-0.87229	-0.83117	0.05668	0.00073	0.00947	0.003	2.948	-0.020	2	361
368	368	-0.87190	-0.83081	0.05668	0.00073	0.00947	0.003	2.948	-0.020	2	362
369	369	-0.87075	-0.82977	0.05670	0.00073	0.00948	0.003	2.949	-0.020	2	363
370	370	-0.87065	-0.82968	0.05670	0.00073	0.00948	0.003	2.949	-0.020	2	364
371	371	-0.87034	-0.82940	0.05670	0.00073	0.00948	0.003	2.949	-0.020	2	365
372	372	-0.86852	-0.82775	0.05672	0.00072	0.00949	0.003	2.949	-0.020	2	366
373	373	-0.86798	-0.82725	0.05673	0.00072	0.00949	0.003	2.949	-0.019	2	367

TABLE A-2 (Continued)

374	374	-0.86778	-0.82707	0.05673	0.00072	0.00949	0.003	2.950	-0.019	2	368
375	375	-0.86775	-0.82705	0.05673	0.00072	0.00949	0.003	2.950	-0.019	2	369
376	376	-0.86752	-0.82684	0.05673	0.00072	0.00949	0.003	2.950	-0.019	2	370
377	377	-0.86671	-0.82610	0.05674	0.00072	0.00950	0.003	2.950	-0.019	2	371
378	378	-0.86601	-0.82547	0.05675	0.00072	0.00950	0.003	2.950	-0.019	2	372
379	379	-0.86536	-0.82488	0.05676	0.00071	0.00950	0.003	2.950	-0.019	2	373
380	380	-0.86413	-0.82376	0.05677	0.00071	0.00951	0.003	2.950	-0.019	2	374
381	381	-0.86412	-0.82375	0.05677	0.00071	0.00951	0.003	2.950	-0.019	2	375
382	382	-0.85992	-0.81993	0.05682	0.00070	0.00953	0.003	2.951	-0.019	2	376
383	383	-0.85982	-0.81985	0.05682	0.00070	0.00953	0.003	2.951	-0.019	2	377
384	384	-0.85731	-0.81756	0.05685	0.00069	0.00954	0.003	2.952	-0.019	2	378
385	385	-0.85370	-0.81427	0.05689	0.00068	0.00956	0.003	2.953	-0.019	2	379
386	386	-0.85304	-0.81367	0.05690	0.00068	0.00956	0.003	2.953	-0.019	2	380
387	387	-0.85221	-0.81292	0.05691	0.00068	0.00956	0.003	2.953	-0.019	2	381
388	388	-0.85206	-0.81279	0.05691	0.00068	0.00956	0.003	2.953	-0.019	2	382
389	389	-0.85107	-0.81188	0.05692	0.00068	0.00957	0.002	2.953	-0.019	2	383
390	390	-0.85070	-0.81155	0.05692	0.00068	0.00957	0.002	2.954	[illegible]	2	384
391	391	-0.84796	-0.80905	0.05695	0.00067	0.00958	0.002	2.954	-0.018	2	385
392	392	-0.84750	-0.80863	0.05696	0.00067	0.00958	0.002	2.954	-0.018	2	386
393	393	-0.84594	-0.80721	0.05697	0.00067	0.00959	0.002	2.955	-0.018	2	387
394	394	-0.84515	-0.80648	0.05698	0.00066	0.00959	0.002	2.955	-0.018	2	388
395	395	-0.84385	-0.80530	0.05700	0.00066	0.00960	0.002	2.955	-0.018	2	389
396	396	-0.84280	-0.80434	0.05701	0.00066	0.00960	0.002	2.955	-0.018	2	390
397	397	-0.84209	-0.80369	0.05701	0.00066	0.00961	0.002	2.955	-0.018	2	391
398	398	-0.84203	-0.80364	0.05702	0.00066	0.00961	0.002	2.955	-0.018	2	392
399	399	-0.84142	-0.80308	0.05702	0.00066	0.00961	0.002	2.956	-0.018	2	393
400	400	-0.84081	-0.80253	0.05703	0.00065	0.00961	0.002	2.956	-0.018	2	394
401	401	-0.84061	-0.80234	0.05703	0.00065	0.00961	0.002	2.956	-0.018	2	395
402	402	-0.83925	-0.80111	0.05704	0.00065	0.00962	0.002	2.956	-0.018	2	396
403	403	-0.83918	-0.80104	0.05705	0.00065	0.00962	0.002	2.956	-0.018	2	397
404	404	-0.83761	-0.79961	0.05706	0.00065	0.00963	0.002	2.956	-0.018	2	398
405	405	-0.83554	-0.79771	0.05708	0.00064	0.00963	0.002	2.957	-0.018	2	399
406	406	-0.83352	-0.79588	0.05710	0.00064	0.00964	0.002	2.957	-0.018	2	400
407	407	-0.83284	-0.79525	0.05711	0.00064	0.00965	0.002	2.957	-0.018	2	401
408	408	-0.83258	-0.79501	0.05711	0.00064	0.00965	0.002	2.957	-0.018	2	402
409	409	-0.83210	-0.79458	0.05712	0.00063	0.00965	0.002	2.957	-0.018	2	403
410	410	-0.83201	-0.79449	0.05712	0.00063	0.00965	0.002	2.958	-0.018	2	404
411	411	-0.83099	-0.79356	0.05713	0.00063	0.00965	0.002	2.958	-0.018	2	405
412	412	-0.82943	-0.79214	0.05714	0.00063	0.00966	0.002	2.958	-0.018	2	406
413	413	-0.82847	-0.79126	0.05715	0.00063	0.00966	0.002	2.958	-0.018	2	407
414	414	-0.82784	-0.79068	0.05716	0.00063	0.00967	0.002	2.958	-0.018	2	408
415	415	-0.82689	-0.78981	0.05717	0.00062	0.00967	0.002	2.959	-0.017	2	409
416	416	-0.82428	-0.78742	0.05720	0.00062	0.00968	0.002	2.959	-0.017	2	410
417	417	-0.82374	-0.78693	0.05720	0.00062	0.00968	0.002	2.959	-0.017	2	411
418	418	-0.82060	-0.78406	0.05723	0.00061	0.00969	0.002	2.960	-0.017	2	412
419	419	-0.81959	-0.78313	0.05724	0.00061	0.00970	0.002	2.960	-0.017	2	413
420	420	-0.80962	-0.77399	0.05734	0.00059	0.00974	0.002	2.962	-0.017	2	414
421	421	-0.80836	-0.77283	0.05735	0.00058	0.00974	0.002	2.962	-0.017	2	415
422	422	-0.80636	-0.77100	0.05737	0.00058	0.00975	0.002	2.962	-0.017	2	416
423	423	-0.80563	-0.77033	0.05737	0.00058	0.00975	0.002	2.962	-0.017	2	417
424	424	-0.80426	-0.76907	0.05739	0.00058	0.00976	0.002	2.963	-0.016	2	418
425	425	-0.80412	-0.76894	0.05739	0.00058	0.00976	0.002	2.963	-0.016	2	419
426	426	-0.80222	-0.76720	0.05741	0.00057	0.00976	0.002	2.963	-0.016	2	420
427	427	-0.80133	-0.76638	0.05741	0.00057	0.00977	0.002	2.963	-0.016	2	421
428	428	-0.80085	-0.76594	0.05742	0.00057	0.00977	0.002	2.963	-0.016	2	422
429	429	-0.79863	-0.76390	0.05744	0.00057	0.00978	0.002	2.964	-0.016	2	423
430	430	-0.79748	-0.76285	0.05745	0.00056	0.00978	0.002	2.964	-0.016	2	424
431	431	-0.79664	-0.76207	0.05746	0.00056	0.00978	0.002	2.964	-0.016	2	425
432	432	-0.79594	-0.76143	0.05746	0.00056	0.00979	0.002	2.964	-0.016	2	426
433	433	-0.79590	-0.76139	0.05746	0.00056	0.00979	0.002	2.964	-0.016	2	427
434	434	-0.79574	-0.76124	0.05746	0.00056	0.00979	0.002	2.964	-0.016	2	428
435	435	-0.79450	-0.76010	0.05748	0.00056	0.00979	0.002	2.964	-0.016	2	429
436	436	-0.79084	-0.75674	0.05751	0.00055	0.00981	0.002	2.965	-0.016	2	430
437	437	-0.79008	-0.75604	0.05752	0.00055	0.00981	0.002	2.965	-0.016	2	431
438	438	-0.78811	-0.75422	0.05753	0.00055	0.00981	0.002	2.965	-0.016	2	432
439	439	-0.78725	-0.75343	0.05754	0.00054	0.00982	0.002	2.965	-0.016	2	433

TABLE A-2 (Continued)

440	440	-0.78615	-0.75242	0.05755	0.00054	0.00982	0.002	2.966	-0.016	2	434
441	441	-0.78608	-0.75236	0.05755	0.00054	0.00982	0.002	2.966	-0.016	2	435
442	442	-0.78542	-0.75174	0.05756	0.00054	0.00982	0.002	2.966	-0.016	2	436
443	443	-0.78349	-0.74997	0.05757	0.00054	0.00983	0.002	2.966	-0.016	2	437
444	444	-0.78090	-0.74758	0.05759	0.00053	0.00984	0.001	2.966	-0.016	2	438
445	445	-0.77728	-0.74424	0.05763	0.00053	0.00985	0.001	2.967	-0.015	2	439
446	446	-0.77662	-0.74364	0.05763	0.00053	0.00985	0.001	2.967	-0.015	2	440
447	447	-0.77598	-0.74305	0.05764	0.00052	0.00986	0.001	2.967	-0.015	2	441
448	448	-0.77502	-0.74216	0.05764	0.00052	0.00986	0.001	2.967	-0.015	2	442
449	449	-0.77424	-0.74144	0.05765	0.00052	0.00986	0.001	2.967	-0.015	2	443
450	450	-0.77406	-0.74128	0.05765	0.00052	0.00986	0.001	2.967	-0.015	2	444
451	451	-0.77367	-0.74092	0.05766	0.00052	0.00986	0.001	2.967	-0.015	2	445
452	452	-0.77236	-0.73971	0.05767	0.00052	0.00987	0.001	2.968	-0.015	2	446
453	453	-0.77146	-0.73888	0.05767	0.00052	0.00987	0.001	2.968	-0.015	2	447
454	454	-0.77145	-0.73887	0.05767	0.00052	0.00987	0.001	2.968	-0.015	2	448
455	455	-0.76997	-0.73750	0.05769	0.00051	0.00988	0.001	2.968	-0.015	2	449
456	456	-0.76907	-0.73668	0.05769	0.00051	0.00988	0.001	2.968	-0.015	2	450
457	457	-0.76891	-0.73652	0.05769	0.00051	0.00988	0.001	2.968	-0.015	2	451
458	458	-0.76621	-0.73404	0.05772	0.00051	0.00989	0.001	2.968	-0.015	2	452
459	459	-0.76487	-0.73279	0.05773	0.00050	0.00989	0.001	2.969	-0.015	2	453
460	460	-0.76405	-0.73203	0.05773	0.00050	0.00990	0.001	2.969	-0.015	2	454
461	461	-0.76262	-0.73072	0.05775	0.00050	0.00990	0.001	2.969	-0.015	2	455
462	462	-0.76187	-0.73002	0.05775	0.00050	0.00990	0.001	2.969	-0.015	2	456
463	463	-0.76058	-0.72883	0.05776	0.00050	0.00991	0.001	2.969	-0.015	2	457
464	464	-0.76001	-0.72830	0.05777	0.00050	0.00991	0.001	2.969	-0.015	2	458
465	465	-0.75732	-0.72582	0.05779	0.00049	0.00992	0.001	2.970	-0.015	2	459
466	466	-0.75719	-0.72569	0.05779	0.00049	0.00992	0.001	2.970	-0.015	2	460
467	467	-0.75664	-0.72519	0.05779	0.00049	0.00992	0.001	2.970	-0.015	2	461
468	468	-0.75608	-0.72467	0.05780	0.00049	0.00992	0.001	2.970	-0.015	2	462
469	469	-0.75564	-0.72426	0.05780	0.00049	0.00992	0.001	2.970	-0.015	2	463
470	470	-0.75513	-0.72379	0.05781	0.00049	0.00992	0.001	2.970	-0.015	2	464
471	471	-0.75287	-0.72170	0.05782	0.00049	0.00993	0.001	2.970	-0.014	2	465
472	472	-0.75095	-0.71992	0.05784	0.00048	0.00994	0.001	2.970	-0.014	2	466
473	473	-0.74970	-0.71876	0.05785	0.00048	0.00994	0.001	2.971	-0.014	2	467
474	474	-0.74948	-0.71856	0.05785	0.00048	0.00994	0.001	2.971	-0.014	2	468
475	475	-0.74829	-0.71746	0.05786	0.00048	0.00994	0.001	2.971	-0.014	2	469
476	476	-0.74700	-0.71627	0.05787	0.00048	0.00995	0.001	2.971	-0.014	2	470
477	477	-0.74419	-0.71366	0.05789	0.00047	0.00996	0.001	2.971	-0.014	2	471
478	478	-0.74090	-0.71062	0.05791	0.00047	0.00997	0.001	2.972	-0.014	2	472
479	479	-0.73851	-0.70840	0.05793	0.00046	0.00997	0.001	2.972	-0.014	2	473
480	480	-0.73809	-0.70801	0.05793	0.00046	0.00998	0.001	2.972	-0.014	2	474
481	481	-0.73768	-0.70763	0.05794	0.00046	0.00998	0.001	2.972	-0.014	2	475
482	482	-0.73584	-0.70593	0.05795	0.00046	0.00998	0.001	2.972	-0.014	2	476
483	483	-0.73581	-0.70590	0.05795	0.00046	0.00998	0.001	2.972	-0.014	2	477
484	484	-0.73495	-0.70510	0.05796	0.00046	0.00998	0.001	2.972	-0.014	2	478
485	485	-0.73488	-0.70504	0.05796	0.00046	0.00998	0.001	2.972	-0.014	2	479
486	486	-0.73376	-0.70400	0.05797	0.00046	0.00999	0.001	2.972	-0.014	2	480
487	487	-0.73132	-0.70173	0.05798	0.00045	0.00999	0.001	2.973	-0.014	2	481
488	488	-0.72910	-0.69967	0.05800	0.00045	0.01000	0.001	2.973	-0.014	2	482
489	489	-0.72904	-0.69962	0.05800	0.00045	0.01000	0.001	2.973	-0.014	2	483
490	490	-0.72764	-0.69832	0.05801	0.00045	0.01001	0.001	2.973	-0.014	2	484
491	491	-0.72741	-0.69811	0.05801	0.00045	0.01001	0.001	2.973	-0.013	2	485
492	492	-0.72704	-0.69776	0.05801	0.00045	0.01001	0.001	2.973	-0.013	2	486
493	493	-0.72587	-0.69668	0.05802	0.00044	0.01001	0.001	2.973	-0.013	2	487
494	494	-0.72567	-0.69649	0.05802	0.00044	0.01001	0.001	2.973	-0.013	2	488
495	495	-0.72562	-0.69645	0.05803	0.00044	0.01001	0.001	2.973	-0.013	2	489
496	496	-0.72504	-0.69590	0.05803	0.00044	0.01001	0.001	2.973	-0.013	2	490
497	497	-0.72440	-0.69531	0.05803	0.00044	0.01001	0.001	2.973	-0.013	2	491
498	498	-0.72231	-0.69337	0.05805	0.00044	0.01002	0.001	2.974	-0.013	2	492
499	499	-0.72202	-0.69311	0.05805	0.00044	0.01002	0.001	2.974	-0.013	2	493
500	500	-0.72160	-0.69271	0.05805	0.00044	0.01002	0.001	2.974	-0.013	2	494
501	501	-0.72117	-0.69231	0.05806	0.00044	0.01002	0.001	2.974	-0.013	2	495
502	502	-0.71890	-0.69021	0.05807	0.00043	0.01003	0.001	2.974	-0.013	2	496
503	503	-0.71880	-0.69011	0.05807	0.00043	0.01003	0.001	2.974	-0.013	2	497
504	504	-0.71877	-0.69009	0.05807	0.00043	0.01003	0.001	2.974	-0.013	2	498
505	505	-0.71852	-0.68985	0.05807	0.00043	0.01003	0.001	2.974	-0.013	2	499

TABLE A-2 (Continued)

506	506	-0.71823	-0.68778	0.05808	0.00043	0.01003	0.001	2.974	-0.013	2	500
507	507	-0.71780	-0.68918	0.05808	0.00043	0.01003	0.001	2.974	-0.013	2	501
508	508	-0.71760	-0.68900	0.05808	0.00043	0.01003	0.001	2.974	-0.013	2	502
509	509	-0.71710	-0.68853	0.05808	0.00043	0.01003	0.001	2.974	-0.013	2	503
510	510	-0.71640	-0.68788	0.05809	0.00043	0.01004	0.001	2.974	-0.013	2	504
511	511	-0.71636	-0.68785	0.05809	0.00043	0.01004	0.001	2.974	-0.013	2	505
512	512	-0.71567	-0.68720	0.05809	0.00043	0.01004	0.001	2.974	-0.013	2	506
513	513	-0.71520	-0.68677	0.05810	0.00043	0.01004	0.001	2.974	-0.013	2	507
514	514	-0.71513	-0.68670	0.05810	0.00043	0.01004	0.001	2.974	-0.013	2	508
515	515	-0.71368	-0.68535	0.05811	0.00043	0.01004	0.001	2.975	-0.013	2	509
516	516	-0.71364	-0.68532	0.05811	0.00043	0.01004	0.001	2.975	-0.013	2	510
517	517	-0.71230	-0.68407	0.05812	0.00043	0.01005	0.001	2.975	-0.013	2	511
518	518	-0.71200	-0.68379	0.05812	0.00042	0.01005	0.001	2.975	-0.013	2	512
519	519	-0.71003	-0.68196	0.05813	0.00042	0.01005	0.001	2.975	-0.013	2	513
520	520	-0.70581	-0.67803	0.05816	0.00042	0.01006	0.001	2.975	-0.013	8	514
521	521	-0.70530	-0.67756	0.05816	0.00042	0.01007	0.001	2.975	-0.013	8	5
522	522	-0.70450	-0.67682	0.05817	0.00041	0.01007	0.001	2.976	-0.013	8	516
523	523	-0.70247	-0.67493	0.05818	0.00041	0.01007	0.001	2.976	-0.013	8	517
524	524	-0.70132	-0.67385	0.05819	0.00041	0.01008	0.001	2.976	-0.013	8	518
525	525	-0.70091	-0.67347	0.05819	0.00041	0.01008	0.001	2.976	-0.013	8	519
526	526	-0.69952	-0.67218	0.05820	0.00041	0.01008	0.001	2.976	-0.013	8	520
527	527	-0.69933	-0.67200	0.05820	0.00041	0.01008	0.001	2.976	-0.013	8	521
528	528	-0.69930	-0.67197	0.05820	0.00041	0.01008	0.001	2.976	-0.013	8	522
529	529	-0.69907	-0.67176	0.05821	0.00041	0.01008	0.001	2.976	-0.013	8	523
530	530	-0.69841	-0.67114	0.05821	0.00041	0.01008	0.001	2.976	-0.013	8	524
531	531	-0.69831	-0.67105	0.05821	0.00041	0.01008	0.001	2.976	-0.013	8	525
532	532	-0.69769	-0.67047	0.05821	0.00041	0.01009	0.001	2.976	-0.012	8	526
533	533	-0.69744	-0.67024	0.05822	0.00041	0.01009	0.001	2.976	-0.012	8	527
534	534	-0.69656	-0.66942	0.05822	0.00040	0.01009	0.001	2.976	-0.012	8	528
535	535	-0.69611	-0.66900	0.05823	0.00040	0.01009	0.001	2.976	-0.012	8	529
536	536	-0.69547	-0.66840	0.05823	0.00040	0.01009	0.001	2.976	-0.012	8	530
537	537	-0.69313	-0.66623	0.05824	0.00040	0.01010	0.001	2.977	-0.012	8	531
538	538	-0.69211	-0.66527	0.05825	0.00040	0.01010	0.001	2.977	-0.012	8	532
539	539	-0.69178	-0.66496	0.05825	0.00040	0.01010	0.001	2.977	-0.012	8	533
540	540	-0.69124	-0.66447	0.05826	0.00040	0.01010	0.001	2.977	-0.012	8	534
541	541	-0.69003	-0.66333	0.05826	0.00040	0.01011	0.001	2.977	-0.012	8	535
542	542	-0.68765	-0.66112	0.05828	0.00039	0.01011	0.001	2.977	-0.012	8	536
543	543	-0.68630	-0.65986	0.05829	0.00039	0.01011	0.001	2.977	-0.012	8	537
544	544	-0.68575	-0.65934	0.05829	0.00039	0.01012	0.001	2.977	-0.012	8	538
545	545	-0.68510	-0.65874	0.05829	0.00039	0.01012	0.001	2.977	-0.012	8	539
546	546	-0.68510	-0.65874	0.05829	0.00039	0.01012	0.001	2.977	-0.012	8	540
547	547	-0.68427	-0.65797	0.05830	0.00039	0.01012	0.001	2.977	-0.012	8	541
548	548	-0.68337	-0.65712	0.05831	0.00039	0.01012	0.001	2.977	-0.012	8	542
549	549	-0.68169	-0.65556	0.05832	0.00039	0.01013	0.001	2.978	-0.012	8	543
550	550	-0.68035	-0.65431	0.05832	0.00038	0.01013	0.001	2.978	-0.012	8	544
551	551	-0.68012	-0.65409	0.05833	0.00038	0.01013	0.001	2.978	-0.012	8	545
552	552	-0.67962	-0.65362	0.05833	0.00038	0.01013	0.001	2.978	-0.012	8	546
553	553	-0.67639	-0.65061	0.05835	0.00038	0.01014	0.001	2.978	-0.012	8	547
554	554	-0.67404	-0.64842	0.05836	0.00038	0.01014	0.001	2.978	-0.012	8	548
555	555	-0.67385	-0.64824	0.05836	0.00038	0.01015	0.001	2.978	-0.012	8	549
556	556	-0.67377	-0.64817	0.05836	0.00038	0.01015	0.001	2.978	-0.012	8	550
557	557	-0.67057	-0.64517	0.05838	0.00037	0.01015	0.001	2.979	-0.012	8	551
558	558	-0.66749	-0.64230	0.05840	0.00037	0.01016	0.001	2.979	-0.012	8	552
559	559	-0.66632	-0.64120	0.05841	0.00037	0.01016	0.001	2.979	-0.011	8	553
560	560	-0.66604	-0.64094	0.05841	0.00037	0.01016	0.001	2.979	-0.011	8	554
561	561	-0.66521	-0.64017	0.05842	0.00037	0.01017	0.001	2.979	-0.011	8	555
562	562	-0.66398	-0.63902	0.05842	0.00036	0.01017	0.001	2.979	-0.011	8	556
563	563	-0.66394	-0.63898	0.05842	0.00036	0.01017	0.001	2.979	-0.011	8	557
564	564	-0.66298	-0.63808	0.05843	0.00036	0.01017	0.001	2.979	-0.011	8	558
565	565	-0.66209	-0.63725	0.05843	0.00036	0.01017	0.001	2.979	-0.011	8	559
566	566	-0.66196	-0.63713	0.05843	0.00036	0.01017	0.001	2.979	-0.011	8	560
567	567	-0.66112	-0.63635	0.05844	0.00036	0.01017	0.001	2.979	-0.011	8	561
568	568	-0.66075	-0.63600	0.05844	0.00036	0.01018	0.001	2.979	-0.011	8	562
569	569	-0.65782	-0.63325	0.05846	0.00036	0.01018	0.001	2.980	-0.011	8	563
570	570	-0.65776	-0.63322	0.05846	0.00036	0.01018	0.001	2.980	-0.011	8	564
571	571	-0.65752	-0.63298	0.05846	0.00036	0.01018	0.001	2.980	-0.011	8	565

TABLE A-2 (Continued)

572	572	-0.65284	-0.62860	0.05849	0.00035	0.01019	0.001	2.980	-0.011	8	566
573	573	-0.65241	-0.62820	0.05849	0.00035	0.01019	0.001	2.980	-0.011	8	567
574	574	-0.65092	-0.62680	0.05850	0.00035	0.01020	0.001	2.980	-0.011	8	568
575	575	-0.65020	-0.62613	0.05850	0.00035	0.01020	0.001	2.980	-0.011	8	569
576	576	-0.64915	-0.62514	0.05851	0.00035	0.01020	0.001	2.980	-0.011	8	570
577	577	-0.64897	-0.62498	0.05851	0.00035	0.01020	0.001	2.980	-0.011	8	571
578	578	-0.64702	-0.62315	0.05852	0.00035	0.01021	0.001	2.980	-0.011	8	572
579	579	-0.64693	-0.62306	0.05852	0.00035	0.01021	0.001	2.980	-0.011	8	573
580	580	-0.64629	-0.62247	0.05852	0.00035	0.01021	0.001	2.980	-0.011	8	574
581	581	-0.64580	-0.62201	0.05853	0.00034	0.01021	0.001	2.980	-0.011	8	575
582	582	-0.64578	-0.62199	0.05853	0.00034	0.01021	0.001	2.980	-0.011	8	576
583	583	-0.64454	-0.62083	0.05853	0.00034	0.01021	0.001	2.981	-0.011	8	577
584	584	-0.64237	-0.61880	0.05854	0.00034	0.01022	0.001	2.981	-0.011	8	578
585	585	-0.64221	-0.61865	0.05855	0.00034	0.01022	0.001	2.981	-0.011	8	579
586	586	-0.64103	-0.61754	0.05855	0.00034	0.01022	0.001	2.981	-0.011	8	580
587	587	-0.63991	-0.61649	0.05856	0.00034	0.01022	0.001	2.981	-0.011	8	581
588	588	-0.63870	-0.61536	0.05856	0.00034	0.01022	0.001	2.981	-0.011	8	582
589	589	-0.63865	-0.61531	0.05856	0.00034	0.01022	0.001	2.981	-0.011	8	583
590	590	-0.63769	-0.61441	0.05857	0.00034	0.01023	0.001	2.981	-0.011	8	584
591	591	-0.63728	-0.61403	0.05857	0.00034	0.01023	0.001	2.981	-0.011	8	585
592	592	-0.63581	-0.61265	0.05858	0.00033	0.01023	0.001	2.981	-0.011	8	586
593	593	-0.63332	-0.61032	0.05859	0.00033	0.01024	0.001	2.981	-0.011	8	587
594	594	-0.63316	-0.61017	0.05859	0.00033	0.01024	0.001	2.981	-0.011	8	588
595	595	-0.63208	-0.60915	0.05860	0.00033	0.01024	0.001	2.981	-0.010	8	589
596	596	-0.63131	-0.60843	0.05860	0.00033	0.01024	0.001	2.981	-0.010	8	590
597	597	-0.62994	-0.60714	0.05861	0.00033	0.01024	0.001	2.982	-0.010	8	591
598	598	-0.62958	-0.60681	0.05861	0.00033	0.01024	0.001	2.982	-0.010	8	592
599	599	-0.62904	-0.60630	0.05862	0.00033	0.01024	0.001	2.982	-0.010	8	593
600	600	-0.62775	-0.60509	0.05862	0.00033	0.01025	0.001	2.982	-0.010	8	594
601	601	-0.62577	-0.60323	0.05863	0.00032	0.01025	0.001	2.982	-0.010	8	595
602	602	-0.62562	-0.60309	0.05863	0.00032	0.01025	0.001	2.982	-0.010	8	596
603	603	-0.62456	-0.60210	0.05864	0.00032	0.01025	0.001	2.982	-0.010	8	597
604	604	-0.62424	-0.60180	0.05864	0.00032	0.01025	0.001	2.982	-0.010	8	598
605	605	-0.62263	-0.60029	0.05865	0.00032	0.01026	0.001	2.982	-0.010	8	599
606	606	-0.62231	-0.59999	0.05865	0.00032	0.01026	0.001	2.982	-0.010	8	600
607	607	-0.62182	-0.59952	0.05865	0.00032	0.01026	0.001	2.982	-0.010	8	601
608	608	-0.62082	-0.59859	0.05866	0.00032	0.01026	0.001	2.982	-0.010	8	602
609	609	-0.61918	-0.59705	0.05867	0.00032	0.01026	0.000	2.982	-0.010	8	603
610	610	-0.61624	-0.59429	0.05868	0.00031	0.01027	0.000	2.982	-0.010	8	604
611	611	-0.61508	-0.59320	0.05869	0.00031	0.01027	0.000	2.982	-0.010	8	605
612	612	-0.61478	-0.59292	0.05869	0.00031	0.01027	0.000	2.983	-0.010	8	606
613	613	-0.61435	-0.59251	0.05869	0.00031	0.01027	0.000	2.983	-0.010	8	607
614	614	-0.61283	-0.59109	0.05870	0.00031	0.01028	0.000	2.983	-0.010	8	608
615	615	-0.61268	-0.59095	0.05870	0.00031	0.01028	0.000	2.983	-0.010	8	609
616	616	-0.61246	-0.59074	0.05870	0.00031	0.01028	0.000	2.983	-0.010	8	610
617	617	-0.61243	-0.59072	0.05870	0.00031	0.01028	0.000	2.983	-0.010	8	611
618	618	-0.61194	-0.59025	0.05870	0.00031	0.01028	0.000	2.983	-0.010	8	612
619	619	-0.60976	-0.58820	0.05871	0.00031	0.01028	0.000	2.983	-0.010	8	613
620	620	-0.60936	-0.58783	0.05872	0.00031	0.01028	0.000	2.983	-0.010	8	614
621	621	-0.60886	-0.58736	0.05872	0.00031	0.01028	0.000	2.983	-0.010	8	615
622	622	-0.60857	-0.58709	0.05872	0.00031	0.01028	0.000	2.983	-0.010	8	616
623	623	-0.60713	-0.58574	0.05873	0.00031	0.01029	0.000	2.983	-0.010	8	617
624	624	-0.60708	-0.58569	0.05873	0.00031	0.01029	0.000	2.983	-0.010	8	618
625	625	-0.60653	-0.58517	0.05873	0.00031	0.01029	0.000	2.983	-0.010	8	619
626	626	-0.60561	-0.58430	0.05873	0.00030	0.01029	0.000	2.983	-0.010	8	620
627	627	-0.60447	-0.58323	0.05874	0.00030	0.01029	0.000	2.983	-0.010	8	621
628	628	-0.60347	-0.58229	0.05874	0.00030	0.01029	0.000	2.983	-0.010	8	622
629	629	-0.60269	-0.58156	0.05875	0.00030	0.01030	0.000	2.983	-0.010	8	623
630	630	-0.60206	-0.58097	0.05875	0.00030	0.01030	0.000	2.983	-0.010	8	624
631	631	-0.60205	-0.58096	0.05875	0.00030	0.01030	0.000	2.983	-0.010	8	625
632	632	-0.59964	-0.57869	0.05876	0.00030	0.01030	0.000	2.983	-0.010	8	626
633	633	-0.59856	-0.57768	0.05877	0.00030	0.01030	0.000	2.983	-0.010	8	627
634	634	-0.59400	-0.57339	0.05879	0.00029	0.01031	0.000	2.984	-0.009	8	628
635	635	-0.59383	-0.57323	0.05879	0.00029	0.01031	0.000	2.984	-0.009	8	629
636	636	-0.59349	-0.57291	0.05879	0.00029	0.01031	0.000	2.984	-0.009	8	630
637	637	-0.59333	-0.57276	0.05879	0.00029	0.01031	0.000	2.984	-0.009	8	631

TABLE A-2 (Continued)

638	638	-0.59273	-0.57220	0.05880	0.00029	0.01031	0.000	2.984	-0.009	8	632
639	639	-0.59236	-0.57185	0.05880	0.00029	0.01032	0.000	2.984	-0.009	8	633
640	640	-0.59227	-0.57176	0.05880	0.00029	0.01032	0.000	2.984	-0.009	8	634
641	641	-0.59174	-0.57127	0.05880	0.00029	0.01032	0.000	2.984	-0.009	8	635
642	642	-0.59114	-0.57070	0.05880	0.00029	0.01032	0.000	2.984	-0.009	8	636
643	643	-0.59048	-0.57008	0.05881	0.00029	0.01032	0.000	2.984	-0.009	8	637
644	644	-0.58902	-0.56871	0.05881	0.00029	0.01032	0.000	2.984	-0.009	8	638
645	645	-0.58819	-0.56792	0.05882	0.00029	0.01032	0.000	2.984	-0.009	8	639
646	646	-0.58776	-0.56752	0.05882	0.00029	0.01032	0.000	2.984	-0.009	8	640
647	647	-0.58649	-0.56632	0.05882	0.00029	0.01033	0.000	2.984	-0.009	8	641
648	648	-0.58595	-0.56582	0.05883	0.00029	0.01033	0.000	2.984	-0.009	8	642
649	649	-0.58336	-0.56337	0.05884	0.00028	0.01033	0.000	2.984	-0.009	8	643
650	650	-0.58262	-0.56268	0.05884	0.00028	0.01033	0.000	2.984	-0.009	8	644
651	651	-0.58259	-0.56265	0.05884	0.00028	0.01033	0.000	2.984	-0.009	8	645
652	652	-0.58252	-0.56259	0.05884	0.00028	0.01033	0.000	2.984	-0.009	8	646
653	653	-0.58247	-0.56254	0.05884	0.00028	0.01033	0.000	2.984	-0.009	8	647
654	654	-0.57830	-0.55861	0.05886	0.00028	0.01034	0.000	2.985	-0.009	8	648
655	655	-0.57688	-0.55727	0.05887	0.00028	0.01034	0.000	2.985	-0.009	8	649
656	656	-0.57622	-0.55665	0.05887	0.00028	0.01034	0.000	2.985	-0.009	8	650
657	657	-0.57507	-0.55557	0.05888	0.00028	0.01035	0.000	2.985	-0.009	8	651
658	658	-0.57439	-0.55493	0.05888	0.00028	0.01035	0.000	2.985	-0.009	8	652
659	659	-0.57387	-0.55444	0.05888	0.00028	0.01035	0.000	2.985	-0.009	8	653
660	660	-0.57065	-0.55140	0.05890	0.00027	0.01035	0.000	2.985	-0.009	8	654
661	661	-0.57046	-0.55123	0.05890	0.00027	0.01035	0.000	2.985	-0.009	8	655
662	662	-0.57046	-0.55122	0.05890	0.00027	0.01035	0.000	2.985	-0.009	8	656
663	663	-0.56962	-0.55044	0.05890	0.00027	0.01036	0.000	2.985	-0.009	8	657
664	664	-0.56900	-0.54985	0.05890	0.00027	0.01036	0.000	2.985	-0.009	8	658
665	665	-0.56776	-0.54868	0.05891	0.00027	0.01036	0.000	2.985	-0.009	8	659
666	666	-0.56672	-0.54770	0.05891	0.00027	0.01036	0.000	2.985	-0.009	8	660
667	667	-0.56456	-0.54567	0.05892	0.00027	0.01036	0.000	2.985	-0.009	8	661
668	668	-0.56106	-0.54237	0.05894	0.00027	0.01037	0.000	2.985	-0.009	8	662
669	669	-0.55979	-0.54117	0.05894	0.00026	0.01037	0.000	2.985	-0.009	8	663
670	670	-0.55923	-0.54064	0.05894	0.00026	0.01037	0.000	2.986	-0.009	8	664
671	671	-0.55462	-0.53630	0.05896	0.00026	0.01038	0.000	2.986	-0.008	8	665
672	672	-0.55459	-0.53626	0.05896	0.00026	0.01038	0.000	2.986	-0.008	8	666
673	673	-0.55344	-0.53518	0.05897	0.00026	0.01038	0.000	2.986	-0.008	8	667
674	674	-0.55013	-0.53206	0.05898	0.00026	0.01039	0.000	2.986	-0.008	8	668
675	675	-0.54855	-0.53056	0.05899	0.00026	0.01039	0.000	2.986	-0.008	8	669
676	676	-0.54656	-0.52868	0.05900	0.00025	0.01039	0.000	2.986	-0.008	8	670
677	677	-0.54578	-0.52795	0.05900	0.00025	0.01039	0.000	2.986	-0.008	8	671
678	678	-0.54528	-0.52748	0.05900	0.00025	0.01040	0.000	2.986	-0.008	8	672
679	679	-0.54469	-0.52692	0.05900	0.00025	0.01040	0.000	2.986	-0.008	8	673
680	680	-0.54458	-0.52682	0.05901	0.00025	0.01040	0.000	2.986	-0.008	8	674
681	681	-0.54386	-0.52614	0.05901	0.00025	0.01040	0.000	2.986	-0.008	8	675
682	682	-0.54218	-0.52455	0.05902	0.00025	0.01040	0.000	2.986	-0.008	8	676
683	683	-0.54195	-0.52434	0.05902	0.00025	0.01040	0.000	2.986	-0.008	8	677
684	684	-0.54184	-0.52423	0.05902	0.00025	0.01040	0.000	2.986	-0.008	8	678
685	685	-0.54157	-0.52397	0.05902	0.00025	0.01040	0.000	2.986	-0.008	8	679
686	686	-0.53989	-0.52238	0.05902	0.00025	0.01040	0.000	2.986	-0.008	8	680
687	687	-0.53969	-0.52220	0.05903	0.00025	0.01040	0.000	2.986	-0.008	8	681
688	688	-0.53965	-0.52216	0.05903	0.00025	0.01040	0.000	2.986	-0.008	8	682
689	689	-0.53836	-0.52094	0.05903	0.00025	0.01041	0.000	2.986	-0.008	8	683
690	690	-0.53784	-0.52046	0.05903	0.00025	0.01041	0.000	2.986	-0.008	8	684
691	691	-0.53650	-0.51918	0.05904	0.00025	0.01041	0.000	2.987	-0.008	8	685
692	692	-0.53415	-0.51697	0.05905	0.00024	0.01041	0.000	2.987	-0.008	8	686
693	693	-0.53361	-0.51645	0.05905	0.00024	0.01041	0.000	2.987	-0.008	8	687
694	694	-0.53339	-0.51625	0.05905	0.00024	0.01041	0.000	2.987	-0.008	8	688
695	695	-0.53309	-0.51596	0.05905	0.00024	0.01041	0.000	2.987	-0.008	8	689
696	696	-0.53140	-0.51436	0.05906	0.00024	0.01042	0.000	2.987	-0.008	8	690
697	697	-0.52966	-0.51272	0.05906	0.00024	0.01042	0.000	2.987	-0.008	8	691
698	698	-0.52875	-0.51186	0.05907	0.00024	0.01042	0.000	2.987	-0.008	8	692
699	699	-0.52723	-0.51043	0.05907	0.00024	0.01042	0.000	2.987	-0.008	8	693
700	700	-0.52705	-0.51026	0.05907	0.00024	0.01042	0.000	2.987	-0.008	8	694
701	701	-0.52518	-0.50849	0.05908	0.00024	0.01043	0.000	2.987	-0.008	8	695
702	702	-0.52435	-0.50770	0.05908	0.00024	0.01043	0.000	2.987	-0.008	8	696
703	703	-0.52408	-0.50745	0.05909	0.00024	0.01043	0.000	2.987	-0.008	8	697

TABLE A-2 (Continued)

704	704	-0.52171	-0.50521	0.05909	0.00024	0.01043	0.000	2.987	-0.008	8	698
705	705	-0.51863	-0.50229	0.05911	0.00023	0.01044	0.000	2.987	-0.008	8	699
706	706	-0.51858	-0.50225	0.05911	0.00023	0.01044	0.000	2.987	-0.008	8	700
707	707	-0.51633	-0.50312	0.05911	0.00023	0.01044	0.000	2.987	-0.007	8	701
708	708	-0.51159	-0.49563	0.05913	0.00023	0.01045	0.000	2.988	-0.007	8	702
709	709	-0.51107	-0.49515	0.05913	0.00023	0.01045	0.000	2.988	-0.007	8	703
710	710	-0.50985	-0.49399	0.05914	0.00023	0.01045	0.000	2.988	-0.007	8	704
711	711	-0.50962	-0.49377	0.05914	0.00023	0.01045	0.000	2.988	-0.007	8	705
712	712	-0.50836	-0.49258	0.05914	0.00023	0.01045	0.000	2.988	-0.007	8	706
713	713	-0.50731	-0.49158	0.05915	0.00023	0.01045	0.000	2.988	-0.007	8	707
714	714	-0.50666	-0.49097	0.05915	0.00023	0.01045	0.000	2.988	-0.007	8	708
715	715	-0.50473	-0.48914	0.05916	0.00022	0.01046	0.000	2.988	-0.007	8	709
716	716	-0.50143	-0.48603	0.05917	0.00022	0.01046	0.000	2.988	-0.007	8	710
717	717	-0.50082	-0.48545	0.05917	0.00022	0.01046	0.000	2.988	-0.007	8	711
718	718	-0.49844	-0.48319	0.05918	0.00022	0.01046	0.000	2.988	-0.007	8	712
719	719	-0.49785	-0.48263	0.05918	0.00022	0.01047	0.000	2.988	-0.007	8	713
720	720	-0.49747	-0.48227	0.05918	0.00022	0.01047	0.000	2.988	-0.007	8	714
721	721	-0.49557	-0.48047	0.05919	0.00022	0.01047	0.000	2.988	-0.007	8	715
722	722	-0.49373	-0.47873	0.05920	0.00022	0.01047	0.000	2.988	-0.007	8	716
723	723	-0.49266	-0.47771	0.05920	0.00022	0.01047	0.000	2.988	-0.007	8	717
724	724	-0.49234	-0.47741	0.05920	0.00022	0.01047	0.000	2.988	-0.007	8	718
725	725	-0.49177	-0.47688	0.05920	0.00022	0.01047	0.000	2.988	-0.007	8	719
726	726	-0.49172	-0.47682	0.05920	0.00022	0.01047	0.000	2.988	-0.007	8	720
727	727	-0.49127	-0.47640	0.05920	0.00021	0.01047	0.000	2.988	-0.007	8	721
728	728	-0.48853	-0.47381	0.05921	0.00021	0.01048	0.000	2.988	-0.007	8	722
729	729	-0.48728	-0.47262	0.05922	0.00021	0.01048	0.000	2.988	-0.007	8	723
730	730	-0.48643	-0.47181	0.05922	0.00021	0.01048	0.000	2.988	-0.007	8	724
731	731	-0.48637	-0.47176	0.05922	0.00021	0.01048	0.000	2.988	-0.007	8	725
732	732	-0.48361	-0.46914	0.05923	0.00021	0.01048	0.000	2.989	-0.007	8	726
733	733	-0.48333	-0.46887	0.05923	0.00021	0.01048	0.000	2.989	-0.007	8	727
734	734	-0.48261	-0.46819	0.05923	0.00021	0.01049	0.000	2.989	-0.007	8	728
735	735	-0.48148	-0.46712	0.05924	0.00021	0.01049	0.000	2.989	-0.007	8	729
736	736	-0.48109	-0.46675	0.05924	0.00021	0.01049	0.000	2.989	-0.007	8	730
737	737	-0.48026	-0.46597	0.05924	0.00021	0.01049	0.000	2.989	-0.007	8	731
738	738	-0.47925	-0.46501	0.05924	0.00021	0.01049	0.000	2.989	-0.007	8	732
739	739	-0.47923	-0.46499	0.05925	0.00021	0.01049	0.000	2.989	-0.007	8	733
740	740	-0.47878	-0.46457	0.05925	0.00021	0.01049	0.000	2.989	-0.007	8	734
741	741	-0.47727	-0.46314	0.05925	0.00021	0.01049	0.000	2.989	-0.007	8	735
742	742	-0.47665	-0.46254	0.05925	0.00021	0.01049	0.000	2.989	-0.007	8	736
743	743	-0.47574	-0.46168	0.05926	0.00020	0.01049	0.000	2.989	-0.007	8	737
744	744	-0.47573	-0.46167	0.05926	0.00020	0.01049	0.000	2.989	-0.007	8	738
745	745	-0.47544	-0.46140	0.05926	0.00020	0.01050	0.000	2.989	-0.007	8	739
746	746	-0.47510	-0.46108	0.05926	0.00020	0.01050	0.000	2.989	-0.007	8	740
747	747	-0.47479	-0.46078	0.05926	0.00020	0.01050	0.000	2.989	-0.007	8	741
748	748	-0.47047	-0.45668	0.05927	0.00020	0.01050	0.000	2.989	-0.006	8	742
749	749	-0.47024	-0.45646	0.05927	0.00020	0.01050	0.000	2.989	-0.006	8	743
750	750	-0.46883	-0.45513	0.05928	0.00020	0.01050	0.000	2.989	-0.006	8	744
751	751	-0.46824	-0.45457	0.05928	0.00020	0.01050	0.000	2.989	-0.006	8	745
752	752	-0.46782	-0.45417	0.05928	0.00020	0.01050	0.000	2.989	-0.006	8	746
753	753	-0.46600	-0.45245	0.05929	0.00020	0.01051	0.000	2.989	-0.006	8	747
754	754	-0.46569	-0.45215	0.05929	0.00020	0.01051	0.000	2.989	-0.006	8	748
755	755	-0.46401	-0.45055	0.05929	0.00020	0.01051	0.000	2.989	-0.006	8	749
756	756	-0.46339	-0.44997	0.05930	0.00020	0.01051	0.000	2.989	-0.006	8	750
757	757	-0.46170	-0.44837	0.05930	0.00020	0.01051	0.000	2.989	-0.006	8	751
758	758	-0.45942	-0.44620	0.05931	0.00019	0.01052	0.000	2.989	-0.006	8	752
759	759	-0.45659	-0.44352	0.05932	0.00019	0.01052	0.000	2.989	-0.006	8	753
760	760	-0.45630	-0.44324	0.05932	0.00019	0.01052	0.000	2.989	-0.006	8	754
761	761	-0.45477	-0.44178	0.05932	0.00019	0.01052	0.000	2.989	-0.006	8	755
762	762	-0.45371	-0.44179	0.05933	0.00019	0.01052	0.000	2.989	-0.006	8	756
763	763	-0.45302	-0.44013	0.05933	0.00019	0.01052	0.000	2.990	-0.006	8	757
764	764	-0.45278	-0.43990	0.05933	0.00019	0.01052	0.000	2.990	-0.006	8	758
765	765	-0.45155	-0.43874	0.05933	0.00019	0.01052	0.000	2.990	-0.006	8	759
766	766	-0.45037	-0.43761	0.05934	0.00019	0.01053	0.000	2.990	-0.006	8	760
767	767	-0.44762	-0.43500	0.05934	0.00019	0.01053	0.000	2.990	-0.006	8	761
768	768	-0.44633	-0.43378	0.05935	0.00019	0.01053	0.000	2.990	-0.006	8	762
769	769	-0.44588	-0.43334	0.05935	0.00019	0.01053	0.000	2.990	-0.006	8	763

TABLE A-[illegible] (Continued)

770	770	-0.44325	-0.43085	0.05936	0.00019	0.01053	0.000	2.990	-0.006	8	764
771	771	-0.44215	-0.42981	0.05936	0.00018	0.01054	0.000	2.990	-0.006	8	765
772	772	-0.44196	-0.42962	0.05936	0.00018	0.01054	0.000	2.990	-0.006	8	766
773	773	-0.43962	-0.42741	0.05937	0.00018	0.01054	0.000	2.990	-0.006	8	767
774	774	-0.43959	-0.42738	0.05937	0.00018	0.01054	0.000	2.990	-0.006	8	768
775	775	-0.43889	-0.42671	0.05937	0.00018	0.01054	0.000	2.990	-0.006	8	769
776	776	-0.43886	-0.42668	0.05937	0.00018	0.01054	0.000	2.990	-0.006	8	770
777	777	-0.43878	-0.42660	0.05937	0.00018	0.01054	0.000	2.990	-0.006	8	771
778	778	-0.43702	-0.42494	0.05938	0.00018	0.01054	0.000	2.990	-0.006	8	772
779	779	-0.43570	-0.42368	0.05938	0.00018	0.01054	0.000	2.990	-0.006	8	773
780	780	-0.43449	-0.42253	0.05938	0.00018	0.01054	0.000	2.990	-0.006	8	774
781	781	-0.43255	-0.42069	0.05939	0.00018	0.01055	0.000	2.990	-0.006	8	775
782	782	-0.43166	-0.41984	0.05939	0.00018	0.01055	0.000	2.990	-0.006	8	776
783	783	-0.43145	-0.41964	0.05939	0.00018	0.01055	0.000	2.990	-0.006	8	777
784	784	-0.43135	-0.41955	0.05939	0.00018	0.01055	0.000	2.990	-0.006	8	778
785	785	-0.43131	-0.41950	0.05939	0.00018	0.01055	0.000	2.990	-0.006	8	779
786	786	-0.43027	-0.41852	0.05940	0.00018	0.01055	0.000	2.990	-0.006	8	780
787	787	-0.43001	-0.41827	0.05940	0.00018	0.01055	0.000	2.990	-0.006	8	781
788	788	-0.42951	-0.41780	0.05940	0.00018	0.01055	0.000	2.990	-0.006	8	782
789	789	-0.42741	-0.41581	0.05940	0.00018	0.01055	0.000	2.990	-0.006	8	783
790	790	-0.42698	-0.41539	0.05940	0.00018	0.01055	0.000	2.990	-0.006	8	784
791	791	-0.42423	-0.41278	0.05941	0.00017	0.01056	0.000	2.990	-0.006	8	785
792	792	-0.42252	-0.41115	0.05942	0.00017	0.01056	0.000	2.990	-0.005	8	786
793	793	-0.42175	-0.41042	0.05942	0.00017	0.01056	0.000	2.990	-0.005	8	787
794	794	-0.42173	-0.41041	0.05942	0.00017	0.01056	0.000	2.990	-0.005	8	788
795	795	-0.42108	-0.40978	0.05942	0.00017	0.01056	0.000	2.990	-0.005	8	789
796	796	-0.41979	-0.40856	0.05942	0.00017	0.01056	0.000	2.990	-0.005	8	790
797	797	-0.41963	-0.40840	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	791
798	798	-0.41957	-0.40835	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	792
799	799	-0.41946	-0.40825	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	793
800	800	-0.41937	-0.40816	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	794
801	801	-0.41881	-0.40763	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	795
802	802	-0.41826	-0.40711	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	796
803	803	-0.41690	-0.40581	0.05943	0.00017	0.01056	0.000	2.990	-0.005	8	797
804	804	-0.41463	-0.40366	0.05944	0.00017	0.01057	0.000	2.991	-0.005	8	798
805	805	-0.41463	-0.40365	0.05944	0.00017	0.01057	0.000	2.991	-0.005	8	799
806	806	-0.41365	-0.40272	0.05944	0.00017	0.01057	0.000	2.991	-0.005	8	800
807	807	-0.41339	-0.40247	0.05944	0.00017	0.01057	0.000	2.991	-0.005	8	801
808	808	-0.41029	-0.39953	0.05945	0.00017	0.01057	0.000	2.991	-0.005	8	802
809	809	-0.40912	-0.39841	0.05945	0.00017	0.01057	0.000	2.991	-0.005	8	803
810	810	-0.40734	-0.39672	0.05946	0.00017	0.01057	0.000	2.991	-0.005	8	804
811	811	-0.40703	-0.39643	0.05946	0.00017	0.01057	0.000	2.991	-0.005	8	805
812	812	-0.40682	-0.39622	0.05946	0.00017	0.01057	0.000	2.991	-0.005	8	806
813	813	-0.40632	-0.39574	0.05946	0.00017	0.01057	0.000	2.991	-0.005	8	807
814	814	-0.40554	-0.39501	0.05946	0.00016	0.01058	0.000	2.991	-0.005	8	808
815	815	-0.40460	-0.39411	0.05947	0.00016	0.01058	0.000	2.991	-0.005	8	809
816	816	-0.40322	-0.39280	0.05947	0.00016	0.01058	0.000	2.991	-0.005	8	810
817	817	-0.40315	-0.39273	0.05947	0.00016	0.01058	0.000	2.991	-0.005	8	811
818	818	-0.40261	-0.39222	0.05947	0.00016	0.01058	0.000	2.991	-0.005	8	812
819	819	-0.40243	-0.39205	0.05947	0.00016	0.01058	0.000	2.991	-0.005	8	813
820	820	-0.40023	-0.38995	0.05948	0.00016	0.01058	0.000	2.991	-0.005	8	814
821	821	-0.39815	-0.38797	0.05948	0.00016	0.01058	0.000	2.991	-0.005	8	815
822	822	-0.39638	-0.38629	0.05949	0.00016	0.01058	0.000	2.991	-0.005	8	816
823	823	-0.39557	-0.38552	0.05949	0.00016	0.01059	0.000	2.991	-0.005	8	817
824	824	-0.39554	-0.38549	0.05949	0.00016	0.01059	0.000	2.991	-0.005	8	818
825	825	-0.39513	-0.38510	0.05949	0.00016	0.01059	0.000	2.991	-0.005	8	819
826	826	-0.39131	-0.38147	0.05950	0.00016	0.01059	0.000	2.991	-0.005	8	820
827	827	-0.39021	-0.38041	0.05950	0.00016	0.01059	0.000	2.991	-0.005	8	821
828	828	-0.38964	-0.37988	0.05950	0.00016	0.01059	0.000	2.991	-0.005	8	822
829	829	-0.38857	-0.37885	0.05951	0.00016	0.01059	0.000	2.991	-0.005	8	823
830	830	-0.38751	-0.37784	0.05951	0.00016	0.01059	0.000	2.991	-0.005	8	824
831	831	-0.38597	-0.37638	0.05951	0.00015	0.01059	0.000	2.991	-0.005	8	825
832	832	-0.38586	-0.37627	0.05951	0.00015	0.01059	0.000	2.991	-0.005	8	826
833	833	-0.38560	-0.37603	0.05951	0.00015	0.01059	0.000	2.991	-0.005	8	827
834	834	-0.38480	-0.37526	0.05952	0.00015	0.01060	0.000	2.991	-0.005	8	828
835	835	-0.38431	-0.37479	0.05952	0.00015	0.01060	0.000	2.991	-0.005	8	829

TABLE A-2 (Continued)

836	836	-0.38175	-0.37236	0.05952	0.00015	0.01060	0.000	2.991	-0.005	8	830
837	837	-0.37963	-0.37034	0.05953	0.00015	0.01060	0.000	2.991	-0.005	8	831
838	838	-0.37864	-0.36940	0.05953	0.00015	0.01060	0.000	2.991	-0.005	8	832
839	839	-0.37450	-0.36545	0.05954	0.00015	0.01061	0.000	2.991	-0.005	8	833
840	840	-0.37411	-0.36508	0.05954	0.00015	0.01061	0.000	2.991	-0.005	8	834
841	841	-0.37362	-0.36461	0.05954	0.00015	0.01061	0.000	2.991	-0.005	8	835
842	842	-0.37209	-0.36315	0.05955	0.00015	0.01061	0.000	2.992	-0.005	8	836
843	843	-0.37207	-0.36314	0.05955	0.00015	0.01061	0.000	2.992	-0.005	8	837
844	844	-0.37010	-0.36126	0.05955	0.00015	0.01061	0.000	2.992	-0.004	8	838
845	845	-0.36942	-0.36061	0.05955	0.00015	0.01061	0.000	2.992	-0.004	8	839
846	846	-0.36861	-0.35984	0.05956	0.00015	0.01061	0.000	2.992	-0.004	8	840
847	847	-0.36711	-0.35841	0.05956	0.00015	0.01061	0.000	2.992	-0.004	8	841
848	848	-0.36677	-0.35809	0.05956	0.00015	0.01061	0.000	2.992	-0.004	8	842
849	849	-0.36664	-0.35796	0.05956	0.00015	0.01061	0.000	2.992	-0.004	8	843
850	850	-0.36229	-0.35382	0.05957	0.00014	0.01062	0.000	2.992	-0.004	8	844
851	851	-0.36109	-0.35267	0.05957	0.00014	0.01062	0.000	2.992	-0.004	8	845
852	852	-0.35919	-0.35087	0.05958	0.00014	0.01062	0.000	2.992	-0.004	8	846
853	853	-0.35838	-0.35010	0.05958	0.00014	0.01062	0.000	2.992	-0.004	8	847
854	854	-0.35567	-0.34751	0.05958	0.00014	0.01062	0.000	2.992	-0.004	8	848
855	855	-0.35362	-0.34555	0.05959	0.00014	0.01062	0.000	2.992	-0.004	8	849
856	856	-0.35103	-0.34308	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	850
857	857	-0.35045	-0.34253	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	851
858	858	-0.34862	-0.34078	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	852
859	859	-0.34842	-0.34059	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	853
860	860	-0.34800	-0.34019	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	854
861	861	-0.34711	-0.33934	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	855
862	862	-0.34686	-0.33911	0.05960	0.00014	0.01063	0.000	2.992	-0.004	8	856
863	863	-0.34617	-0.33845	0.05961	0.00014	0.01063	0.000	2.992	-0.004	8	857
864	864	-0.34485	-0.33719	0.05961	0.00014	0.01063	0.000	2.992	-0.004	8	858
865	865	-0.34447	-0.33683	0.05961	0.00014	0.01063	0.000	2.992	-0.004	8	859
866	866	-0.34416	-0.33653	0.05961	0.00013	0.01063	0.000	2.992	-0.004	8	860
867	867	-0.34340	-0.33581	0.05961	0.00013	0.01063	0.000	2.992	-0.004	8	861
868	868	-0.34327	-0.33568	0.05961	0.00013	0.01063	0.000	2.992	-0.004	8	862
869	869	-0.33971	-0.33229	0.05962	0.00013	0.01064	0.000	2.992	-0.004	8	863
870	870	-0.33737	-0.33006	0.05962	0.00013	0.01064	0.000	2.992	-0.004	8	864
871	871	-0.33732	-0.33001	0.05962	0.00013	0.01064	0.000	2.992	-0.004	8	865
872	872	-0.33717	-0.32986	0.05963	0.00013	0.01064	0.000	2.992	-0.004	8	866
873	873	-0.33631	-0.32904	0.05963	0.00013	0.01064	0.000	2.992	-0.004	8	867
874	874	-0.33555	-0.32832	0.05963	0.00013	0.01064	0.000	2.992	-0.004	8	868
875	875	-0.33238	-0.32530	0.05964	0.00013	0.01064	0.000	2.992	-0.004	8	869
876	876	-0.33161	-0.32456	0.05964	0.00013	0.01064	0.000	2.992	-0.004	8	870
877	877	-0.33081	-0.32380	0.05964	0.00013	0.01064	0.000	2.992	-0.004	8	871
878	878	-0.32859	-0.32168	0.05964	0.00013	0.01064	0.000	2.992	-0.004	8	872
879	879	-0.32814	-0.32125	0.05964	0.00013	0.01064	0.000	2.992	-0.004	8	873
880	880	-0.32527	-0.31851	0.05965	0.00013	0.01065	0.000	2.992	-0.004	8	874
881	881	-0.32421	-0.31749	0.05965	0.00013	0.01065	0.000	2.992	-0.004	8	875
882	882	-0.32378	-0.31709	0.05965	0.00013	0.01065	0.000	2.992	-0.004	8	876
883	883	-0.32224	-0.31562	0.05966	0.00013	0.01065	0.000	2.992	-0.004	8	877
884	884	-0.32187	-0.31527	0.05966	0.00013	0.01065	0.000	2.992	-0.004	8	878
885	885	-0.31928	-0.31279	0.05966	0.00012	0.01065	0.000	2.993	-0.004	8	879
886	886	-0.31784	-0.31142	0.05966	0.00012	0.01065	0.000	2.993	-0.004	8	880
887	887	-0.31486	-0.30858	0.05967	0.00012	0.01066	0.000	2.993	-0.004	8	881
888	888	-0.31472	-0.30844	0.05967	0.00012	0.01066	0.000	2.993	-0.003	8	882
889	889	-0.31470	-0.30842	0.05967	0.00012	0.01066	0.000	2.993	-0.003	8	883
890	890	-0.31367	-0.30744	0.05967	0.00012	0.01066	0.000	2.993	-0.003	8	884
891	891	-0.31232	-0.30615	0.05968	0.00012	0.01066	0.000	2.993	-0.003	8	885
892	892	-0.31204	-0.30588	0.05968	0.00012	0.01066	0.000	2.993	-0.003	8	886
893	893	-0.30880	-0.30279	0.05968	0.00012	0.01066	0.000	2.993	-0.003	8	887
894	894	-0.30690	-0.30097	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	888
895	895	-0.30607	-0.30018	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	889
896	896	-0.30496	-0.29912	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	890
897	897	-0.30475	-0.29892	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	891
898	898	-0.30398	-0.29818	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	892
899	899	-0.30375	-0.29796	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	893
900	900	-0.30226	-0.29654	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	894
901	901	-0.30206	-0.29635	0.05969	0.00012	0.01066	0.000	2.993	-0.003	8	895

TABLE A-2 (Continued)

902	902	-0.30129	-0.29561	0.05970	0.00012	0.01067	0.000	2.993	-0.003	8	896
903	903	-0.30096	-0.29530	0.05970	0.00012	0.01067	0.000	2.993	-0.003	8	897
904	904	-0.29912	-0.29354	0.05970	0.00012	0.01067	0.000	2.993	-0.003	8	898
905	905	-0.29836	-0.29281	0.05970	0.00012	0.01067	0.000	2.993	-0.003	8	899
906	906	-0.29770	-0.29219	0.05970	0.00012	0.01067	0.000	2.993	-0.003	8	900
907	907	-0.29722	-0.29172	0.05970	0.00011	0.01067	0.000	2.993	-0.003	8	901
908	908	-0.29722	-0.29172	0.05970	0.00011	0.01067	0.000	2.993	-0.003	8	902
909	909	-0.29529	-0.28988	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	903
910	910	-0.29502	-0.28962	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	904
911	911	-0.29495	-0.28956	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	905
912	912	-0.29487	-0.28948	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	906
913	913	-0.29480	-0.28942	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	907
914	914	-0.29332	-0.28800	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	908
915	915	-0.29256	-0.28727	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	909
916	916	-0.29142	-0.28618	0.05971	0.00011	0.01067	0.000	2.993	-0.003	8	[illegible]
917	917	-0.28958	-0.28443	0.05972	0.00011	0.01067	0.000	2.993	-0.003	8	911
918	918	-0.28885	-0.28373	0.05972	0.00011	0.01067	0.000	2.993	-0.003	8	912
919	919	-0.28747	-0.28242	0.05972	0.00011	0.01067	0.000	2.993	-0.003	8	913
920	920	-0.28744	-0.28238	0.05972	0.00011	0.01068	0.000	2.993	-0.003	8	914
921	921	-0.28735	-0.28229	0.05972	0.00011	0.01068	0.000	2.993	-0.003	8	915
922	922	-0.28709	-0.28205	0.05972	0.00011	0.01068	0.000	2.993	-0.003	8	916
923	923	-0.28458	-0.27965	0.05973	0.00011	0.01068	0.000	2.993	-0.003	8	917
924	924	-0.28313	-0.27826	0.05973	0.00011	0.01068	0.000	2.993	-0.003	8	918
925	925	-0.28312	-0.27826	0.05973	0.00011	0.01068	0.000	2.993	-0.003	8	919
926	926	-0.28309	-0.27823	0.05973	0.00011	0.01068	0.000	2.993	-0.003	8	920
927	927	-0.28260	-0.27776	0.05973	0.00011	0.01068	0.000	2.993	-0.003	8	921
928	928	-0.28083	-0.27606	0.05973	0.00011	0.01068	0.000	2.993	-0.003	8	922
929	929	-0.27936	-0.27466	0.05974	0.00011	0.01068	0.000	2.993	-0.003	8	923
930	930	-0.27846	-0.27380	0.05974	0.00011	0.01068	0.000	2.993	-0.003	8	924
931	931	-0.27658	-0.27200	0.05974	0.00011	0.01068	0.000	2.993	-0.003	8	925
932	932	-0.27528	-0.27076	0.05974	0.00011	0.01068	0.000	2.993	-0.003	8	926
933	933	-0.27363	-0.26918	0.05975	0.00011	0.01068	0.000	2.993	-0.003	8	927
934	934	-0.27325	-0.26882	0.05975	0.00011	0.01068	0.000	2.993	-0.003	8	928
935	935	-0.27226	-0.26788	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	929
936	936	-0.27211	-0.26773	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	930
937	937	-0.27177	-0.26741	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	931
938	938	-0.27168	-0.26732	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	932
939	939	-0.26995	-0.26566	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	933
940	940	-0.26960	-0.26533	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	934
941	941	-0.26835	-0.26413	0.05975	0.00010	0.01069	0.000	2.993	-0.003	8	935
942	942	-0.26716	-0.26299	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	936
943	943	-0.26544	-0.26135	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	937
944	944	-0.26538	-0.26130	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	938
945	945	-0.26522	-0.26114	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	939
946	946	-0.26401	-0.25999	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	940
947	947	-0.26384	-0.25982	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	941
948	948	-0.26378	-0.25977	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	942
949	949	-0.26369	-0.25968	0.05976	0.00010	0.01069	0.000	2.993	-0.003	8	943
950	950	-0.26044	-0.25657	0.05977	0.00010	0.01069	0.000	2.993	-0.003	8	944
951	951	-0.26002	-0.25617	0.05977	0.00010	0.01069	0.000	2.993	-0.003	8	945
952	952	-0.25941	-0.25559	0.05977	0.00010	0.01069	0.000	2.993	-0.003	8	946
953	953	-0.25742	-0.25369	0.05977	0.00010	0.01069	0.000	2.993	-0.003	8	947
954	954	-0.25695	-0.25323	0.05977	0.00010	0.01069	0.000	2.993	-0.003	8	948
955	955	-0.25174	-0.24825	0.05978	0.00010	0.01070	0.000	2.993	-0.003	8	949
956	956	-0.25137	-0.24790	0.05978	0.00010	0.01070	0.000	2.993	-0.003	8	950
957	957	-0.25008	-0.24666	0.05978	0.00010	0.01070	0.000	2.993	-0.002	8	951
958	958	-0.[illegible]999	-0.24658	0.05978	0.00010	0.01070	0.000	2.993	-0.002	8	952
959	959	-0.24952	-0.24613	0.05978	0.00010	0.01070	0.000	2.993	-0.002	8	953
960	960	-0.24890	-0.24553	0.05979	0.00010	0.01070	0.000	2.994	-0.002	8	954
961	961	-0.24861	-0.24526	0.05979	0.00010	0.01070	0.000	2.994	-0.002	8	955
962	962	-0.24754	-0.24424	0.05979	0.00010	0.01070	0.000	2.994	-0.002	8	956
963	963	-0.24746	-0.24416	0.05979	0.00010	0.01070	0.000	2.994	-0.002	8	957
964	964	-0.24649	-0.24323	0.05979	0.00010	0.01070	0.000	2.994	-0.002	8	958
965	965	-0.24596	-0.24273	0.05979	0.00009	0.01070	0.000	2.994	-0.002	8	959
966	966	-0.24503	-0.24183	0.05979	0.00009	0.01070	0.000	2.994	-0.002	8	960
967	967	-0.24497	-0.24178	0.05979	0.00009	0.01070	0.000	2.994	-0.002	8	961

TABLE A-2 (Continued)

968	968	-0.24376	-0.24062	0.05979	0.00009	0.01070	0.000	2.994	-0.002	8	962
969	969	-0.24354	-0.24041	0.05979	0.00009	0.01070	0.000	2.994	-0.002	8	963
970	970	-0.24243	-0.23935	0.05980	0.00009	0.01070	0.000	2.994	-0.002	8	964
971	971	-0.24237	-0.23929	0.05980	0.00009	0.01070	0.000	2.994	-0.002	8	965
972	972	-0.24109	-0.23806	0.05980	0.00009	0.01070	0.000	2.994	-0.002	8	966
973	973	-0.23986	-0.23689	0.05980	0.00009	0.01070	0.000	2.994	-0.002	8	967
974	974	-0.23980	-0.23683	0.05980	0.00009	0.01070	0.000	2.994	-0.002	8	968
975	975	-0.23921	-0.23626	0.05980	0.00009	0.01071	0.000	2.994	-0.002	8	969
976	976	-0.23907	-0.23613	0.05980	0.00009	0.01071	0.000	2.994	-0.002	8	970
977	977	-0.23857	-0.23565	0.05980	0.00009	0.01071	0.000	2.994	-0.002	8	971
978	978	-0.23836	-0.23545	0.05980	0.00009	0.01071	0.000	2.994	-0.002	8	972
979	979	-0.23689	-0.23405	0.05980	0.00009	0.01071	0.000	2.994	-0.002	8	973
980	980	-0.23585	-0.23305	0.05980	0.00009	0.01071	0.000	2.994	-0.002	8	974
981	981	-0.23545	-0.23267	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	975
982	982	-0.23539	-0.23261	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	976
983	983	-0.23538	-0.23260	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	977
984	984	-0.23501	-0.23225	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	978
985	985	-0.23484	-0.23208	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	979
986	986	-0.23427	-0.23154	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	980
987	987	-0.23398	-0.23126	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	981
988	988	-0.23360	-0.23089	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	982
989	989	-0.23355	-0.23085	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	983
990	990	-0.23178	-0.22915	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	984
991	991	-0.23171	-0.22909	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	985
992	992	-0.23006	-0.22751	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	986
993	993	-0.22997	-0.22742	0.05981	0.00009	0.01071	0.000	2.994	-0.002	8	987
994	994	-0.22685	-0.22444	0.05982	0.00009	0.01071	0.000	2.994	-0.002	8	988
995	995	-0.22637	-0.22398	0.05982	0.00009	0.01071	0.000	2.994	-0.002	8	989
996	996	-0.22507	-0.22273	0.05982	0.00009	0.01071	0.000	2.994	-0.002	8	990
997	997	-0.22180	-0.21960	0.05982	0.00009	0.01071	0.000	2.994	-0.002	8	991
998	998	-0.22048	-0.21834	0.05983	0.00009	0.01072	0.000	2.994	-0.002	8	992
999	999	-0.22020	-0.21808	0.05983	0.00009	0.01072	0.000	2.994	-0.002	8	993
1000	1000	-0.21890	-0.21683	0.05983	0.00009	0.01072	0.000	2.994	-0.002	8	994
1001	1001	-0.21708	-0.21509	0.05983	0.00008	0.01072	0.000	2.994	-0.002	8	995
1002	1002	-0.21607	-0.21412	0.05983	0.00008	0.01072	0.000	2.994	-0.002	8	996
1003	1003	-0.21475	-0.21286	0.05983	0.00008	0.01072	0.000	2.994	-0.002	8	997
1004	1004	-0.21455	-0.21267	0.05983	0.00008	0.01072	0.000	2.994	-0.002	8	998
1005	1005	-0.21424	-0.21237	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	999
1006	1006	-0.21284	-0.21103	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	1000
1007	1007	-0.21245	-0.21065	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	1001
1008	1008	-0.21164	-0.20988	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	1002
1009	1009	-0.21128	-0.20954	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	1003
1010	1010	-0.21099	-0.20926	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	1004
1011	1011	-0.20984	-0.20815	0.05984	0.00008	0.01072	0.000	2.994	-0.002	8	1005
1012	1012	-0.20662	-0.20507	0.05985	0.00008	0.01072	0.000	2.994	-0.002	8	1006
1013	1013	-0.20612	-0.20459	0.05985	0.00008	0.01072	0.000	2.994	-0.002	8	1007
1014	1014	-0.20471	-0.20324	0.05985	0.00008	0.01072	0.000	2.994	-0.002	8	1008
1015	1015	-0.20413	-0.20268	0.05985	0.00008	0.01072	0.000	2.994	-0.002	8	1009
1016	1016	-0.20365	-0.20223	0.05985	0.00008	0.01072	0.000	2.994	-0.002	8	1010
1017	1017	-0.20056	-0.19927	0.05985	0.00008	0.01073	0.000	2.994	-0.002	8	1011
1018	1018	-0.19981	-0.19855	0.05985	0.00008	0.01073	0.000	2.994	-0.002	8	1012
1019	1019	-0.19487	-0.19382	0.05986	0.00008	0.01073	0.000	2.994	-0.002	8	1013
1020	1020	-0.19484	-0.19379	0.05986	0.00008	0.01073	0.000	2.994	-0.002	8	1014
1021	1021	-0.19207	-0.19114	0.05986	0.00008	0.01073	0.000	2.994	-0.002	8	1015
1022	1022	-0.19107	-0.19018	0.05986	0.00008	0.01073	0.000	2.994	-0.002	8	1016
1023	1023	-0.19036	-0.18950	0.05987	0.00008	0.01073	0.000	2.994	-0.002	8	1017
1024	1024	-0.18373	-0.18314	0.05987	0.00007	0.01073	0.000	2.994	-0.002	8	1018
1025	1025	-0.18360	-0.18302	0.05987	0.00007	0.01073	0.000	2.994	-0.002	8	1019
1026	1026	-0.18151	-0.18102	0.05988	0.00007	0.01073	0.000	2.994	-0.002	8	1020
1027	1027	-0.18126	-0.18078	0.05988	0.00007	0.01073	0.000	2.994	-0.002	8	1021
1028	1028	-0.18106	-0.18059	0.05988	0.00007	0.01073	0.000	2.994	-0.002	8	1022
1029	1029	-0.18033	-0.17989	0.05988	0.00007	0.01074	0.000	2.994	-0.002	8	1023
1030	1030	-0.18018	-0.17975	0.05988	0.00007	0.01074	0.000	2.994	-0.002	8	1024
1031	1031	-0.17997	-0.17955	0.05988	0.00007	0.01074	0.000	2.994	-0.002	8	1025
1032	1032	-0.17836	-0.17800	0.05988	0.00007	0.01074	0.000	2.994	-0.002	8	1026
1033	1033	-0.17786	-0.17752	0.05988	0.00007	0.01074	0.000	2.994	-0.002	8	1027

TABLE A-2 (Continued)

1034	1034	-0.17768	-0.17735	0.05988	0.00007	0.01074	0.000	2.994	-0.002	8	1028
1035	1035	-0.17419	-0.17401	0.05988	0.00007	0.01074	0.000	2.994	-0.001	8	1029
1036	1036	-0.17365	-0.17349	0.05988	0.00007	0.01074	0.000	2.994	-0.001	8	1030
1037	1037	-0.17272	-0.17260	0.05989	0.00007	0.01074	0.000	2.994	-0.001	8	1031
1038	1038	-0.16984	-0.16984	0.05989	0.00007	0.01074	0.000	2.994	-0.001	8	1032
1039	1039	-0.16662	-0.16675	0.05989	0.00007	0.01074	0.000	2.994	-0.001	8	1033
1040	1040	-0.16526	-0.16545	0.05989	0.00007	0.01074	0.000	2.994	-0.001	8	1034
1041	1041	-0.16431	-0.16454	0.05990	0.00007	0.01074	0.000	2.994	-0.001	8	1035
1042	1042	-0.16428	-0.16451	0.05990	0.00007	0.01074	0.000	2.994	-0.001	8	1036
1043	1043	-0.16142	-0.16177	0.05990	0.00007	0.01074	0.000	2.994	-0.001	8	1037
1044	1044	-0.15967	-0.16009	0.05990	0.00007	0.01074	0.000	2.994	-0.001	8	1038
1045	1045	-0.15811	-0.15860	0.05990	0.00006	0.01074	0.000	2.994	-0.001	8	1039
1046	1046	-0.15653	-0.15709	0.05990	0.00006	0.01075	0.000	2.994	-0.001	8	1040
1047	1047	-0.15595	-0.15653	0.05990	0.00006	0.01075	0.000	2.994	-0.001	8	1041
1048	1048	-0.15442	-0.15506	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1042
1049	1049	-0.15420	-0.15485	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1043
1050	1050	-0.15396	-0.15463	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1044
1051	1051	-0.15286	-0.15357	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1045
1052	1052	-0.15223	-0.15296	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1046
1053	1053	-0.15220	-0.15294	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1047
1054	1054	-0.15203	-0.15277	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1048
1055	1055	-0.15105	-0.15184	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1049
1056	1056	-0.15005	-0.15088	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1050
1057	1057	-0.14972	-0.15055	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1051
1058	1058	-0.14619	-0.14718	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1052
1059	1059	-0.14606	-0.14705	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1053
1060	1060	-0.14550	-0.14652	0.05991	0.00006	0.01075	0.000	2.994	-0.001	8	1054
1061	1061	-0.14419	-0.14526	0.05992	0.00006	0.01075	0.000	2.994	-0.001	8	1055
1062	1062	-0.14411	-0.14518	0.05992	0.00006	0.01075	0.000	2.994	-0.001	8	1056
1063	1063	-0.14377	-0.14485	0.05992	0.00006	0.01075	0.000	2.994	-0.001	8	1057
1064	1064	-0.14275	-0.14387	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1058
1065	1065	-0.14093	-0.14213	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1059
1066	1066	-0.14003	-0.14127	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1060
1067	1067	-0.13948	-0.14075	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1061
1068	1068	-0.13927	-0.14054	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1062
1069	1069	-0.13856	-0.13985	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1063
1070	1070	-0.13765	-0.13899	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1064
1071	1071	-0.13754	-0.13888	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1065
1072	1072	-0.13687	-0.13824	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1066
1073	1073	-0.13637	-0.13776	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1067
1074	1074	-0.13442	-0.13589	0.05992	0.00006	0.01075	0.000	2.995	-0.001	8	1068
1075	1075	-0.13388	-0.13537	0.05993	0.00006	0.01075	0.000	2.995	-0.001	8	1069
1076	1076	-0.13309	-0.13461	0.05993	0.00006	0.01075	0.000	2.995	-0.001	8	1070
1077	1077	-0.13240	-0.13395	0.05993	0.00006	0.01075	0.000	2.995	-0.001	8	1071
1078	1078	-0.13139	-0.13299	0.05993	0.00006	0.01075	0.000	2.995	-0.001	8	1072
1079	1079	-0.13097	-0.13258	0.05993	0.00006	0.01075	0.000	2.995	-0.001	8	1073
1080	1080	-0.13082	-0.13244	0.05993	0.00006	0.01075	0.000	2.995	-0.001	8	1074
1081	1081	-0.12785	-0.12959	0.05993	0.00006	0.01076	0.000	2.995	-0.001	8	1075
1082	1082	-0.12744	-0.12920	0.05993	0.00006	0.01076	0.000	2.995	-0.001	8	1076
1083	1083	-0.12730	-0.12906	0.05993	0.00006	0.01076	0.000	2.995	-0.001	8	1077
1084	1084	-0.12712	-0.12889	0.05993	0.00005	0.01076	0.000	2.995	-0.001	8	1078
1085	1085	-0.12629	-0.12810	0.05993	0.00005	0.01076	0.000	2.995	-0.001	8	1079
1086	1086	-0.12464	-0.12651	0.05993	0.00005	0.01076	0.000	2.995	-0.001	8	1080
1087	1087	-0.12368	-0.12560	0.05993	0.00005	0.01076	0.000	2.995	-0.001	8	1081
1088	1088	-0.12184	-0.12382	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1082
1089	1089	-0.12167	-0.12366	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1083
1090	1090	-0.12008	-0.12214	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1084
1091	1091	-0.11895	-0.12106	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1085
1092	1092	-0.11762	-0.11978	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1086
1093	1093	-0.11718	-0.11936	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1087
1094	1094	-0.11553	-0.11778	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1088
1095	1095	-0.11544	-0.11769	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1089
1096	1096	-0.11331	-0.11565	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1090
1097	1097	-0.11201	-0.11440	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1091
1098	1098	-0.11163	-0.11404	0.05994	0.00005	0.01076	0.000	2.995	-0.001	8	1092
1099	1099	-0.11072	-0.11316	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1093

TABLE A-2 (Continued)

1100	1100	-0.10918	-0.11169	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1094
1101	1101	-0.10887	-0.11138	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1095
1102	1102	-0.10705	-0.10965	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1096
1103	1103	-0.10580	-0.10844	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1097
1104	1104	-0.10474	-0.10743	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1098
1105	1105	-0.10431	-0.10702	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1099
1106	1106	-0.10355	-0.10629	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1100
1107	1107	-0.10217	-0.10496	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1101
1108	1108	-0.10101	-0.10385	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1102
1109	1109	-0.10088	-0.10372	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1103
1110	1110	-0.10020	-0.10307	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1104
1111	1111	-0.10019	-0.10306	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1105
1112	1112	-0.09949	-0.10239	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1106
1113	1113	-0.09945	-0.10235	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1107
1114	1114	-0.09898	-0.10190	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1108
1115	1115	-0.09869	-0.10162	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1109
1116	1116	-0.09824	-0.10119	0.05995	0.00005	0.01076	0.000	2.995	-0.001	8	1110
1117	1117	-0.09787	-0.10084	0.05995	0.00005	0.01077	0.000	2.995	-0.001	8	1111
1118	1118	-0.09745	-0.10043	0.05996	0.00005	0.01077	0.000	2.995	-0.001	8	1112
1119	1119	-0.09726	-0.10025	0.05996	0.00005	0.01077	0.000	2.995	-0.001	8	1113
1120	1120	-0.09289	-0.09606	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1114
1121	1121	-0.09162	-0.09484	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1115
1122	1122	-0.09070	-0.09396	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1116
1123	1123	-0.09054	-0.09380	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1117
1124	1124	-0.09018	-0.09346	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1118
1125	1125	-0.09013	-0.09341	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1119
1126	1126	-0.08865	-0.09199	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1120
1127	1127	-0.08822	-0.09158	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1121
1128	1128	-0.08784	-0.09121	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1122
1129	1129	-0.08775	-0.09113	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1123
1130	1130	-0.08713	-0.09054	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1124
1131	1131	-0.08703	-0.09044	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1125
1132	1132	-0.08566	-0.08912	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1126
1133	1133	-0.08496	-0.08845	0.05996	0.00004	0.01077	0.000	2.995	-0.001	8	1127
1134	1134	-0.08328	-0.08684	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1128
1135	1135	-0.08088	-0.08454	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1129
1136	1136	-0.08051	-0.08418	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1130
1137	1137	-0.08048	-0.08415	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1131
1138	1138	-0.07980	-0.08350	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1132
1139	1139	-0.07926	-0.08299	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1133
1140	1140	-0.07809	-0.08186	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1134
1141	1141	-0.07737	-0.08117	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1135
1142	1142	-0.07500	-0.07890	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1136
1143	1143	-0.07435	-0.07827	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1137
1144	1144	-0.07409	-0.07802	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1138
1145	1145	-0.07291	-0.07689	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1139
1146	1146	-0.07169	-0.07572	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1140
1147	1147	-0.07143	-0.07547	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1141
1148	1148	-0.07142	-0.07546	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1142
1149	1149	-0.07134	-0.07538	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1143
1150	1150	-0.07134	-0.07538	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1144
1151	1151	-0.07042	-0.07450	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1145
1152	1152	-0.06881	-0.07295	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1146
1153	1153	-0.06858	-0.07273	0.05997	0.00004	0.01077	0.000	2.995	-0.000	8	1147
1154	1154	-0.06734	-0.07155	0.05998	0.00004	0.01077	0.000	2.995	-0.000	8	1148
1155	1155	-0.06685	-0.07107	0.05998	0.00004	0.01077	0.000	2.995	-0.000	8	1149
1156	1156	-0.06564	-0.06991	0.05998	0.00004	0.01077	0.000	2.995	-0.000	8	1150
1157	1157	-0.06534	-0.06962	0.05998	0.00004	0.01077	0.000	2.995	-0.000	8	1151
1158	1158	-0.06512	-0.06942	0.05998	0.00004	0.01077	0.000	2.995	-0.000	8	1152
1159	1159	-0.06148	-0.06592	0.05998	0.00004	0.01077	0.000	2.995	-0.000	8	1153
1160	1160	-0.06036	-0.06485	0.05998	0.00003	0.01077	0.000	2.995	-0.000	8	1154
1161	1161	-0.06002	-0.06452	0.05998	0.00003	0.01077	0.000	2.995	-0.000	8	1155
1162	1162	-0.06001	-0.06451	0.05998	0.00003	0.01077	0.000	2.995	-0.000	8	1156
1163	1163	-0.05846	-0.06302	0.05998	0.00003	0.01077	0.000	2.995	-0.000	8	1157
1164	1164	-0.05798	-0.06257	0.05998	0.00003	0.01077	0.000	2.995	-0.000	8	1158
1165	1165	-0.05791	-0.06250	0.05998	0.00003	0.01077	0.000	2.995	-0.000	8	1159

TABLE A-2 (Continued)

1166	1166	-0.05711	-0.06173	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1160
1167	1167	-0.05556	-0.06024	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1161
1168	1168	-0.05517	-0.05986	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1162
1169	1169	-0.05485	-0.05956	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1163
1170	1170	-0.05412	-0.05886	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1164
1171	1171	-0.05392	-0.05867	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1165
1172	1172	-0.05382	-0.05857	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1166
1173	1173	-0.05298	-0.05776	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1167
1174	1174	-0.05208	-0.05690	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1168
1175	1175	-0.05102	-0.05588	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1169
1176	1176	-0.05101	-0.05587	0.05998	0.00003	0.01078	0.000	2.995	-0.000	8	1170
1177	1177	-0.04906	-0.05400	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1171
1178	1178	-0.04878	-0.05373	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1172
1179	1179	-0.04775	-0.05275	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1173
1180	1180	-0.04448	-0.04961	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1174
1181	1181	-0.04445	-0.04958	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1175
1182	1182	-0.04304	-0.04822	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1176
1183	1183	-0.04304	-0.04822	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1177
1184	1184	-0.04267	-0.04787	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1178
1185	1185	-0.04243	-0.04764	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1179
1186	1186	-0.04136	-0.04661	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1180
1187	1187	-0.04119	-0.04645	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1181
1188	1188	-0.03991	-0.04522	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1182
1189	1189	-0.03917	-0.04451	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1183
1190	1190	-0.03909	-0.04443	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1184
1191	1191	-0.03843	-0.04379	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1185
1192	1192	-0.03779	-0.04319	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1186
1193	1193	-0.03714	-0.04256	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1187
1194	1194	-0.03643	-0.04188	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1188
1195	1195	-0.03482	-0.04033	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1189
1196	1196	-0.03174	-0.03738	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1190
1197	1197	-0.03115	-0.03682	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1191
1198	1198	-0.02959	-0.03531	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1192
1199	1199	-0.02904	-0.03479	0.05999	0.00003	0.01078	0.000	2.995	-0.000	8	1193
1200	1200	-0.02752	-0.03333	0.06000	0.00003	0.01078	0.000	2.995	-0.000	8	1194
1201	1201	-0.02706	-0.03289	0.06000	0.00003	0.01078	0.000	2.995	-0.000	8	1195
1202	1202	-0.02691	-0.03274	0.06000	0.00003	0.01078	0.000	2.995	-0.000	8	1196
1203	1203	-0.02637	-0.03222	0.06000	0.00003	0.01078	0.000	2.995	-0.000	8	1197
1204	1204	-0.02600	-0.03187	0.06000	0.00003	0.01078	0.000	2.995	-0.000	8	1198
1205	1205	-0.02406	-0.03000	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1199
1206	1206	-0.02403	-0.02998	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1200
1207	1207	-0.02131	-0.02737	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1201
1208	1208	-0.02051	-0.02660	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1202
1209	1209	-0.01828	-0.02446	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1203
1210	1210	-0.01817	-0.02435	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1204
1211	1211	-0.01665	-0.02290	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1205
1212	1212	-0.01558	-0.02187	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1206
1213	1213	-0.01313	-0.01951	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1207
1214	1214	-0.01225	-0.01866	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1208
1215	1215	-0.01218	-0.01860	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1209
1216	1216	-0.01048	-0.01697	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1210
1217	1217	-0.01033	-0.01683	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1211
1218	1218	-0.00968	-0.01620	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1212
1219	1219	-0.00916	-0.01570	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1213
1220	1220	-0.00909	-0.01563	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1214
1221	1221	-0.00809	-0.01467	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1215
1222	1222	-0.00453	-0.01126	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1216
1223	1223	-0.00417	-0.01091	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1217
1224	1224	-0.00370	-0.01046	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1218
1225	1225	-0.00361	-0.01037	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1219
1226	1226	-0.00280	-0.00960	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1220
1227	1227	-0.00227	-0.00908	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1221
1228	1228	-0.00118	-0.00804	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1222
1229	1229	-0.00052	-0.00740	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1223
1230	1230	-0.00037	-0.00726	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1224
1231	1231	-0.00020	-0.00710	0.06000	0.00002	0.01078	0.000	2.995	-0.000	8	1225

TABLE A-2 (Continued)

1232	1232	0.00185	-0.00513	0.06001	0.00002	0.01078	0.000	2.995	-0.000	8	1226
1233	1233	0.00326	-0.00378	0.06001	C.00002	0.01078	0.000	2.995	-0.000	8	1227
1234	1234	0.00426	-0.00282	0.06001	0.00002	0.01078	0.000	2.995	-0.000	8	1228
1235	1235	0.00429	-0.00279	0.06001	0.00002	0.01078	0.000	2.995	-0.000	8	1229
1236	1236	0.00516	-0.00195	0.06001	0.00002	0.01078	0.000	2.995	-0.000	8	1230
1237	1237	0.00570	-0.00143	0.06001	0.00002	0.01078	0.000	2.995	-0.000	8	1231
1238	1238	0.00895	0.00168	0.06001	0.00002	0.01079	0.000	2.995	-0.000	8	1232
1239	1239	0.00896	0.00169	0.06001	0.00002	0.01079	0.000	2.995	-0.000	8	1233
1240	1240	0.00941	0.00212	0.06001	0.00002	0.01079	0.000	2.995	-0.000	8	1234
1241	1241	0.01178	0.00440	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1235
1242	1242	0.01178	0.00440	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1236
1243	1243	0.01208	0.00469	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1237
1244	1244	0.01269	0.00528	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1238
1245	1245	0.01303	0.00561	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1239
1246	1246	0.01372	0.00626	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1240
1247	1247	0.01387	0.00641	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1241
1248	1248	0.01514	0.00763	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1242
1249	1249	0.01668	0.00911	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1243
1250	1250	0.01795	0.01033	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1244
1251	1251	0.01836	0.01072	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1245
1252	1252	0.01902	0.01136	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1246
1253	1253	0.01918	0.01150	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1247
1254	1254	0.02198	0.01419	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1248
1255	1255	0.02227	0.01447	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1249
1256	1256	0.02538	0.01746	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1250
1257	1257	0.02624	0.01828	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1251
1258	1258	0.02634	0.01838	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1252
1259	1259	0.02697	0.01899	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1253
1260	1260	0.02707	0.01908	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1254
1261	1261	0.02737	0.01937	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1255
1262	1262	0.02900	0.02093	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1256
1263	1263	0.02971	0.02161	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1257
1264	1264	0.03467	0.02638	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1258
1265	1265	0.03500	0.02670	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1259
1266	1266	0.03515	0.02684	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1260
1267	1267	0.03611	0.02777	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1261
1268	1268	0.03643	0.02807	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1262
1269	1269	0.03662	0.02825	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1263
1270	1270	0.03810	0.02967	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1264
1271	1271	0.03894	0.03048	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1265
1272	1272	0.03988	0.03138	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1266
1273	1273	0.04179	0.03321	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1267
1274	1274	0.04368	0.03503	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1268
1275	1275	0.04461	0.03592	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1269
1276	1276	0.04470	0.03601	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1270
1277	1277	0.04483	0.03614	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1271
1278	1278	0.04506	0.03635	0.06001	0.00001	0.01079	0.000	2.995	-0.000	8	1272
1279	1279	0.04713	0.03834	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1273
1280	1280	0.04852	0.03968	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1274
1281	1281	0.04903	0.04017	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1275
1282	1282	0.05152	0.04256	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1276
1283	1283	0.05359	0.04454	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1277
1284	1284	0.05373	0.04468	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1278
1285	1285	0.05554	0.04642	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1279
1286	1286	0.05555	0.04643	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1280
1287	1287	0.05636	0.04720	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1281
1288	1288	0.05838	0.04915	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1282
1289	1289	0.06061	0.05129	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1283
1290	1290	0.06075	0.05142	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1284
1291	1291	0.06136	0.05201	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1285
1292	1292	0.06439	0.05492	0.06001	0.00000	0.01079	0.000	2.995	-0.000	8	1286
1293	1293	0.06446	0.05499	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1287
1294	1294	0.06540	0.05589	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1288
1295	1295	0.06544	0.05593	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1289
1296	1296	0.06582	0.05630	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1290
1297	1297	0.06618	0.05664	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1291

TABLE A-2 (Continued)

1298	1298	0.06743	0.05784	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1292
1299	1299	0.06878	0.05713	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1293
1300	1300	0.06883	0.05919	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1294
1301	1301	0.06932	0.05966	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1295
1302	1302	0.06933	0.05966	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1296
1303	1303	0.06981	0.06013	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1297
1304	1304	0.07015	0.06045	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1298
1305	1305	0.07043	0.06072	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1299
1306	1306	0.07266	0.06286	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1300
1307	1307	0.07275	0.06295	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1301
1308	1308	0.07365	0.06381	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1302
1309	1309	0.07401	0.06415	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1303
1310	1310	0.07410	0.06424	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1304
1311	1311	0.07667	0.06671	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1305
1312	1312	0.07775	0.06774	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1306
1313	1313	0.07919	0.06913	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1307
1314	1314	0.07949	0.06941	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1308
1315	1315	0.08094	0.07081	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1309
1316	1316	0.08138	0.07123	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1310
1317	1317	0.08248	0.07229	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1311
1318	1318	0.08249	0.07230	0.06001	-0.00000	0.01079	0.000	2.995	-0.000	8	1312
1319	1319	0.08446	0.07419	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1313
1320	1320	0.08446	0.07419	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1314
1321	1321	0.08521	0.07491	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1315
1322	1322	0.08990	0.07941	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1316
1323	1323	0.09198	0.08141	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1317
1324	1324	0.09219	0.08161	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1318
1325	1325	0.09370	0.08306	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1319
1326	1326	0.09545	0.08474	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1320
1327	1327	0.09554	0.08483	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1321
1328	1328	0.09653	0.08578	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1322
1329	1329	0.09911	0.08826	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1323
1330	1330	0.09926	0.08840	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1324
1331	1331	0.10105	0.09012	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1325
1332	1332	0.10227	0.09129	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1326
1333	1333	0.10312	0.09211	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1327
1334	1334	0.10343	0.09241	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1328
1335	1335	0.10453	0.09346	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1329
1336	1336	0.10487	0.09379	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1330
1337	1337	0.10639	0.09525	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1331
1338	1338	0.10673	0.09558	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1332
1339	1339	0.10833	0.09711	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1333
1340	1340	0.10900	0.09776	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1334
1341	1341	0.10949	0.09823	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1335
1342	1342	0.11047	0.09916	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1336
1343	1343	0.11131	0.09997	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1337
1344	1344	0.11164	0.10029	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1338
1345	1345	0.11223	0.10085	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1339
1346	1346	0.11340	0.10158	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1340
1347	1347	0.11348	0.10205	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1341
1348	1348	0.11444	0.10297	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1342
1349	1349	0.11476	0.10329	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1343
1350	1350	0.11531	0.10381	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1344
1351	1351	0.11627	0.10473	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1345
1352	1352	0.11730	0.10573	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1346
1353	1353	0.11821	0.10660	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1347
1354	1354	0.11862	0.10699	0.06001	-0.00001	0.01079	0.000	2.995	-0.000	8	1348
1355	1355	0.12047	0.10877	0.06001	-0.00002	0.01079	0.000	2.995	-0.000	8	1349
1356	1356	0.12078	0.10906	0.06001	-0.00002	0.01079	0.000	2.995	-0.000	8	1350
1357	1357	0.12179	0.11003	0.06001	-0.00002	0.01079	0.000	2.995	-0.000	8	1351
1358	1358	0.12261	0.11082	0.06001	-0.00002	0.01078	0.000	2.995	-0.000	8	1352
1359	1359	0.12431	0.11245	0.06001	-0.00002	0.01078	0.000	2.995	-0.000	8	1353
1360	1360	0.12457	0.11270	0.06001	-0.00002	0.01078	0.000	2.995	-0.000	8	1354
1361	1361	0.12464	0.11277	0.06001	-0.00002	0.01078	0.000	2.995	-0.000	8	1355
1362	1362	0.12676	0.11480	0.06001	-0.00002	0.01078	0.000	2.995	-0.000	8	1356
1363	1363	0.12774	0.11574	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1357

TABLE A-2 (Continued)

1364	1364	0.12774	0.11575	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1358
1365	1365	0.12779	0.11579	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1359
1366	1366	0.12878	0.11674	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1360
1367	1367	0.13152	0.11937	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1361
1368	1368	0.13187	0.11971	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1362
1369	1369	0.13253	0.12034	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1363
1370	1370	0.13362	0.12139	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1364
1371	1371	0.13409	0.12184	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1365
1372	1372	0.13454	0.12227	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1366
1373	1373	0.13518	0.12289	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1367
1374	1374	0.13606	0.12373	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1368
1375	1375	0.13659	0.12424	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1369
1376	1376	0.13784	0.12544	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1370
1377	1377	0.13870	0.12627	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1371
1378	1378	0.13890	0.12646	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1372
1379	1379	0.14245	0.12987	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1373
1380	1380	0.14346	0.13084	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1374
1381	1381	0.14442	0.13176	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1375
1382	1382	0.14774	0.13495	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1376
1383	1383	0.14814	0.13533	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1377
1384	1384	0.15164	0.13869	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1378
1385	1385	0.15286	0.13986	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1379
1386	1386	0.15339	0.14037	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1380
1387	1387	0.15388	0.14084	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1381
1388	1388	0.15408	0.14103	0.06000	-0.00002	0.01078	0.000	2.995	-0.000	8	1382
1389	1389	0.15471	0.14164	0.06000	-0.00003	0.01078	0.000	2.995	-0.000	8	1383
1390	1390	0.15591	0.14279	0.06000	-0.00003	0.01078	0.000	2.995	-0.000	8	1384
1391	1391	0.15609	0.14296	0.06000	-0.00003	0.01078	0.000	2.995	-0.000	8	1385
1392	1392	0.15691	0.14375	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1386
1393	1393	0.15742	0.14424	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1387
1394	1394	0.15847	0.14525	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1388
1395	1395	0.15883	0.14559	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1389
1396	1396	0.16229	0.14891	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1390
1397	1397	0.16304	0.14963	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1391
1398	1398	0.16721	0.15364	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1392
1399	1399	0.16762	0.15403	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1393
1400	1400	0.16941	0.15574	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1394
1401	1401	0.17128	0.15754	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1395
1402	1402	0.17161	0.15786	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1396
1403	1403	0.17243	0.15864	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1397
1404	1404	0.17257	0.15878	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1398
1405	1405	0.17303	0.15922	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1399
1406	1406	0.17380	0.15996	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1400
1407	1407	0.17464	0.16077	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1401
1408	1408	0.17530	0.16140	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1402
1409	1409	0.17678	0.16282	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1403
1410	1410	0.17724	0.16326	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1404
1411	1411	0.17738	0.16339	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1405
1412	1412	0.17767	0.16368	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1406
1413	1413	0.17782	0.16382	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1407
1414	1414	0.17830	0.16428	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1408
1415	1415	0.17833	0.16431	0.05999	-0.00003	0.01078	0.000	2.995	-0.000	8	1409
1416	1416	0.18016	0.16606	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1410
1417	1417	0.18065	0.16654	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1411
1418	1418	0.18113	0.16699	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1412
1419	1419	0.18294	0.16874	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1413
1420	1420	0.18390	0.16965	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1414
1421	1421	0.18398	0.16973	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1415
1422	1422	0.18688	0.17251	0.05998	-0.00003	0.01078	0.000	2.995	-0.000	8	1416
1423	1423	0.18824	0.17382	0.05998	-0.00003	0.01077	0.000	2.995	-0.000	8	1417
1424	1424	0.18833	0.17391	0.05998	-0.00003	0.01077	0.000	2.995	-0.000	8	1418
1425	1425	0.19202	0.17744	0.05998	-0.00004	0.01077	0.000	2.995	-0.000	8	1419
1426	1426	0.19220	0.17762	0.05998	-0.00004	0.01077	0.000	2.995	-0.000	8	1420
1427	1427	0.19291	0.17830	0.05998	-0.00004	0.01077	0.000	2.995	-0.000	8	1421
1428	1428	0.19395	0.17930	0.05998	-0.00004	0.01077	0.000	2.995	-0.000	8	1422
1429	1429	0.19473	0.18005	0.05998	-0.00004	0.01077	0.000	2.995	-0.000	8	1423

TABLE A-2 (Continued)

1430	1430	[illegible]	[illegible]	[illegible]	-0.00004	0.01077	0.000	2.995	-0.000	8	1424
1431	1431	[illegible]	[illegible]	[illegible]	-0.00004	0.01077	0.000	2.995	-0.000	8	1425
1432	1432	[illegible]	[illegible]	[illegible]	0.00004	0.01077	0.000	2.995	-0.000	8	1426
1433	1433	[illegible]	0.18662	[illegible]	-0.00004	0.01077	0.000	2.995	-0.001	8	1427
1434	1434	0.20284	[illegible]	0.05997	-0.00004	0.01077	0.000	2.995	-0.001	8	1428
1435	1435	0.20407	[illegible]	[illegible]	-0.00004	0.01077	0.000	2.995	-0.001	8	1429
1436	1436	0.20483	[illegible]	0.05997	-0.00004	0.01077	0.000	2.995	-0.001	8	1430
1437	1437	0.20734	0.19215	0.05997	0.00004	0.01077	0.000	2.995	-0.001	8	1431
1438	1438	0.20809	0.19287	0.05997	-0.00004	0.01077	0.000	2.995	-0.001	8	1432
1439	1439	0.20923	0.19356	0.05997	-0.00004	0.01077	0.000	2.995	-0.001	8	1433
1440	1440	0.21118	0.19583	0.05997	-0.00004	0.01077	0.000	2.995	-0.001	8	1434
1441	1441	0.21160	0.19623	0.05997	-0.00004	0.01077	0.000	2.995	-0.001	8	1435
1442	1442	0.21270	0.19729	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1436
1443	1443	0.21278	0.19736	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1437
1444	1444	0.21359	0.19815	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1438
1445	1445	0.21570	0.20017	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1439
1446	1446	0.21606	0.20051	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1440
1447	1447	0.21654	0.20097	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1441
1448	1448	0.21761	0.20200	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1442
1449	1449	0.22124	0.20548	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1443
1450	1450	0.22159	0.20582	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1444
1451	1451	0.22234	0.20654	0.05996	-0.00004	0.01077	0.000	2.995	-0.001	8	1445
1452	1452	0.22494	0.20703	0.05996	-0.00005	0.01077	0.000	2.995	-0.001	8	1446
1453	1453	0.22552	0.20759	0.05996	-0.00005	0.01077	0.000	2.995	-0.001	8	1447
1454	1454	0.22567	0.20973	0.05996	-0.00005	0.01077	0.000	2.995	-0.001	8	1448
1455	1455	0.22600	0.21005	0.05996	-0.00005	0.01077	0.000	2.995	-0.001	8	1449
1456	1456	0.22646	0.21049	0.05996	-0.00005	0.01077	0.000	2.995	-0.001	8	1450
1457	1457	0.22715	0.21116	0.05995	-0.00005	0.01077	0.000	2.995	-0.001	8	1451
1458	1458	0.22794	0.21191	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1452
1459	1459	0.23071	0.21457	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1453
1460	1460	0.23101	0.21485	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1454
1461	1461	0.23267	0.21645	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1455
1462	1462	0.23324	0.21699	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1456
1463	1463	0.23648	0.22010	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1457
1464	1464	0.23790	0.22146	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1458
1465	1465	0.23799	0.22155	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1459
1466	1466	0.23966	0.22315	0.05995	-0.00005	0.01076	0.000	2.995	-0.001	8	1460
1467	1467	0.23994	0.22342	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1461
1468	1468	0.24005	0.22353	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1462
1469	1469	0.24145	0.22487	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1463
1470	1470	0.24151	0.22493	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1464
1471	1471	0.24164	0.22505	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1465
1472	1472	0.24247	0.22585	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1466
1473	1473	0.24261	0.22598	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1467
1474	1474	0.24290	0.22626	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1468
1475	1475	0.24317	0.22652	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1469
1476	1476	0.24350	0.22683	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1470
1477	1477	0.24496	0.22823	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1471
1478	1478	0.24641	0.22962	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1472
1479	1479	0.24676	0.22996	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1473
1480	1480	0.24985	0.23293	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1474
1481	1481	0.25021	0.23327	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1475
1482	1482	0.25034	0.23339	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1476
1483	1483	0.25186	0.23485	0.05994	-0.00005	0.01076	0.000	2.995	-0.001	8	1477
1484	1484	0.25406	0.23696	0.05993	-0.00005	0.01076	0.000	2.995	-0.001	8	1478
1485	1485	0.25767	0.24042	0.05993	-0.00006	0.01076	0.000	2.995	-0.001	8	1479
1486	1486	0.25786	0.24061	0.05993	-0.00006	0.01076	0.000	2.995	-0.001	8	1480
1487	1487	0.25839	0.24112	0.05993	-0.00006	0.01076	0.000	2.995	-0.001	8	1481
1488	1488	0.25924	0.24193	0.05993	-0.00006	0.01076	0.000	2.995	-0.001	8	1482
1489	1489	0.26016	0.24281	0.05993	-0.00006	0.01075	0.000	2.995	-0.001	8	1483
1490	1490	0.26111	0.24372	0.05993	-0.00006	0.01075	0.000	2.995	-0.001	8	1484
1491	1491	0.26459	0.24706	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1485
1492	1492	0.26474	0.24720	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1486
1493	1493	0.26572	0.24814	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1487
1494	1494	0.26621	0.24862	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1488
1495	1495	0.26743	0.24979	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1489

TABLE A-2 (Continued)

1496	1496	0.26839	0.25070	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1490
1497	1497	0.26945	0.25172	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1491
1498	1498	0.26974	0.25199	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1492
1499	1499	0.27167	0.25385	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1493
1500	1500	0.27181	0.25398	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1494
1501	1501	0.27194	0.25411	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1495
1502	1502	0.27238	0.25453	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1496
1503	1503	0.27327	0.25538	0.05992	-0.00006	0.01075	0.000	2.995	-0.001	8	1497
1504	1504	0.27581	0.25781	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1498
1505	1505	0.27605	0.25805	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1499
1506	1506	0.27627	0.25826	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1500
1507	1507	0.27858	0.26047	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1501
1508	1508	0.27928	0.26115	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1502
1509	1509	0.27955	0.26140	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1503
1510	1510	0.28045	0.26226	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1504
1511	1511	0.28123	0.26301	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1505
1512	1512	0.28169	0.26345	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1506
1513	1513	0.28231	0.26405	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1507
1514	1514	0.28231	0.26405	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1508
1515	1515	0.28255	0.26428	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1509
1516	1516	0.28303	0.26474	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1510
1517	1517	0.28353	0.26521	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1511
1518	1518	0.28360	0.26528	0.05991	-0.00006	0.01075	0.000	2.995	-0.001	8	1512
1519	1519	0.28543	0.26704	0.05990	-0.00006	0.01075	0.000	2.994	-0.001	8	1513
1520	1520	0.28554	0.26714	0.05990	-0.00006	0.01075	0.000	2.994	-0.001	8	1514
1521	1521	0.28760	0.26912	0.05990	-0.00006	0.01074	0.000	2.994	-0.001	8	1515
1522	1522	0.28950	0.27093	0.05990	-0.00007	0.01074	0.000	2.994	-0.001	8	1516
1523	1523	0.29186	0.27320	0.05990	-0.00007	0.01074	0.000	2.994	-0.001	8	1517
1524	1524	0.29545	0.27664	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1518
1525	1525	0.29550	0.27668	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1519
1526	1526	0.29626	0.27742	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1520
1527	1527	0.29690	0.27803	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1521
1528	1528	0.29720	0.27832	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1522
1529	1529	0.29766	0.27876	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1523
1530	1530	0.29994	0.28094	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1524
1531	1531	0.30076	0.28173	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1525
1532	1532	0.30157	0.28251	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1526
1533	1533	0.30171	0.28264	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1527
1534	1534	0.30187	0.28279	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1528
1535	1535	0.30253	0.28342	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1529
1536	1536	0.30291	0.28379	0.05989	-0.00007	0.01074	0.000	2.994	-0.001	8	1530
1537	1537	0.30346	0.28432	0.05988	-0.00007	0.01074	0.000	2.994	-0.001	8	1531
1538	1538	0.30461	0.28542	0.05988	-0.00007	0.01074	0.000	2.994	-0.001	8	1532
1539	1539	0.30506	0.28585	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1533
1540	1540	0.30599	0.28674	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1534
1541	1541	0.30951	0.29012	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1535
1542	1542	0.30997	0.29056	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1536
1543	1543	0.31023	0.29080	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1537
1544	1544	0.31058	0.29113	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1538
1545	1545	0.31070	0.29125	0.05988	-0.00007	0.01074	0.000	2.994	-0.002	8	1539
1546	1546	0.31099	0.29153	0.05988	-0.00007	0.01073	0.000	2.994	-0.002	8	1540
1547	1547	0.31450	0.29489	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1541
1548	1548	0.31631	0.29663	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1542
1549	1549	0.31681	0.29711	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1543
1550	1550	0.31757	0.29783	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1544
1551	1551	0.31832	0.29855	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1545
1552	1552	0.31914	0.29933	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1546
1553	1553	0.31922	0.29941	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1547
1554	1554	0.31997	0.30013	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1548
1555	1555	0.32018	0.30034	0.05987	-0.00007	0.01073	0.000	2.994	-0.002	8	1549
1556	1556	0.32084	0.30096	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1550
1557	1557	0.32421	0.30419	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1551
1558	1558	0.32440	0.30437	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1552
1559	1559	0.32445	0.30442	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1553
1560	1560	0.32632	0.30621	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1554
1561	1561	0.32761	0.30745	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1555

TABLE A-2 (Continued)

1562	1562	0.32765	0.30749	0.05986	-0.00008	0.01073	0.000	2.994	-0.002	8	1556
1563	1563	0.33036	0.31008	0.05985	-0.00008	0.01073	0.000	2.994	-0.002	8	1557
1564	1564	0.33083	0.31053	0.05985	-0.00008	0.01073	0.000	2.994	-0.002	8	1558
1565	1565	0.33106	0.31075	0.05985	-0.00008	0.01073	0.000	2.994	-0.002	8	1559
1566	1566	0.33206	0.31171	0.05985	-0.00008	0.01073	0.000	2.994	-0.002	8	1560
1567	1567	0.33448	0.31403	0.05985	-0.00008	0.01072	0.000	2.994	-0.002	8	1561
1568	1568	0.33495	0.31448	0.05985	-0.00008	0.01072	0.000	2.994	-0.002	8	1562
1569	1569	0.33593	0.31542	0.05985	-0.00008	0.01072	0.000	2.994	-0.002	8	1563
1570	1570	0.33649	0.31596	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1564
1571	1571	0.33799	0.31739	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1565
1572	1572	0.33832	0.31770	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1566
1573	1573	0.33965	0.31898	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1567
1574	1574	0.34002	0.31933	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1568
1575	1575	0.34313	0.32231	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1569
1576	1576	0.34392	0.32307	0.05984	-0.00008	0.01072	0.000	2.994	-0.002	8	1570
1577	1577	0.34828	0.32724	0.05983	-0.00008	0.01072	0.000	2.994	-0.002	8	1571
1578	1578	0.34840	0.32735	0.05983	-0.00008	0.01072	0.000	2.994	-0.002	8	1572
1579	1579	0.34851	0.32746	0.05983	-0.00008	0.01072	0.000	2.994	-0.002	8	1573
1580	1580	0.34886	0.32780	0.05983	-0.00008	0.01072	0.000	2.994	-0.002	8	1574
1581	1581	0.35187	0.33067	0.05982	-0.00009	0.01072	0.000	2.994	-0.002	8	1575
1582	1582	0.35348	0.33222	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1576
1583	1583	0.35386	0.33259	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1577
1584	1584	0.35388	0.33260	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1578
1585	1585	0.35424	0.33294	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1579
1586	1586	0.35431	0.33302	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1580
1587	1587	0.35454	0.33324	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1581
1588	1588	0.35466	0.33334	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1582
1589	1589	0.35468	0.33336	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1583
1590	1590	0.35492	0.33359	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1584
1591	1591	0.35574	0.33438	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1585
1592	1592	0.35666	0.33526	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1586
1593	1593	0.35736	0.33593	0.05982	-0.00009	0.01071	0.000	2.994	-0.002	8	1587
1594	1594	0.35887	0.33738	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1588
1595	1595	0.35957	0.33804	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1589
1596	1596	0.36018	0.33863	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1590
1597	1597	0.36228	0.34064	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1591
1598	1598	0.36407	0.34235	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1592
1599	1599	0.36475	0.34301	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1593
1600	1600	0.36511	0.34334	0.05981	-0.00009	0.01071	0.000	2.994	-0.002	8	1594
1601	1601	0.36651	0.34468	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1595
1602	1602	0.36680	0.34497	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1596
1603	1603	0.36816	0.34627	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1597
1604	1604	0.36894	0.34701	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1598
1605	1605	0.36924	0.34730	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1599
1606	1606	0.36934	0.34739	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1600
1607	1607	0.36997	0.34800	0.05980	-0.00009	0.01071	0.000	2.994	-0.002	8	1601
1608	1608	0.37072	0.34872	0.05980	-0.00009	0.01070	0.000	2.994	-0.002	8	1602
1609	1609	0.37120	0.34918	0.05980	-0.00009	0.01070	0.000	2.994	-0.002	8	1603
1610	1610	0.37358	0.35146	0.05979	-0.00009	0.01070	0.000	2.994	-0.002	8	1604
1611	1611	0.37419	0.35204	0.05979	-0.00009	0.01070	0.000	2.994	-0.002	8	1605
1612	1612	0.37421	0.35206	0.05979	-0.00009	0.01070	0.000	2.994	-0.002	8	1606
1613	1613	0.37572	0.35350	0.05979	-0.00009	0.01070	0.000	2.994	-0.002	8	1607
1614	1614	0.37803	0.35571	0.05979	-0.00010	0.01070	0.000	2.994	-0.002	8	1608
1615	1615	0.38007	0.35766	0.05978	-0.00010	0.01070	0.000	2.994	-0.002	8	1609
1616	1616	0.38013	0.35771	0.05978	-0.00010	0.01070	0.000	2.994	-0.002	8	1610
1617	1617	0.38061	0.35818	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1611
1618	1618	0.38195	0.35946	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1612
1619	1619	0.38205	0.35955	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1613
1620	1620	0.38352	0.36096	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1614
1621	1621	0.38366	0.36109	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1615
1622	1622	0.38372	0.36115	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1616
1623	1623	0.38433	0.36174	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1617
1624	1624	0.38475	0.36214	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1618
1625	1625	0.38551	0.36286	0.05978	-0.00010	0.01070	0.000	2.994	-0.003	8	1619
1626	1626	0.38574	0.36308	0.05977	-0.00010	0.01070	0.000	2.994	-0.003	8	1620
1627	1627	0.38886	0.36607	0.05977	-0.00010	0.01069	0.000	2.994	-0.003	8	1621

TABLE A-2 (Continued)

1628	1628	0.38955	0.36673	0.05977	-0.00010	0.01069	0.000	2.994	-0.003	8	1622
1629	1629	0.39024	0.36739	0.05977	-0.00010	0.01069	0.000	2.994	-0.003	8	1623
1630	1630	0.39167	0.36875	0.05977	-0.00010	0.01069	0.000	2.993	-0.003	8	1624
1631	1631	0.39225	0.36931	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1625
1632	1632	0.39245	0.36950	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1626
1633	1633	0.39316	0.37018	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1627
1634	1634	0.39463	0.37159	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1628
1635	1635	0.39481	0.37176	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1629
1636	1636	0.39522	0.37215	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1630
1637	1637	0.39754	0.37437	0.05976	-0.00010	0.01069	0.000	2.993	-0.003	8	1631
1638	1638	0.39859	0.37538	0.05975	-0.00010	0.01069	0.000	2.993	-0.003	8	1632
1639	1639	0.39898	0.37574	0.05975	-0.00010	0.01069	0.000	2.993	-0.003	8	1633
1640	1640	0.39934	0.37609	0.05975	-0.00010	0.01069	0.000	2.993	-0.003	8	1634
1641	1641	0.39987	0.37659	0.05975	-0.00010	0.01069	0.000	2.993	-0.003	8	1635
1642	1642	0.40168	0.37833	0.05975	-0.00010	0.01069	0.000	2.993	-0.003	8	1636
1643	1643	0.40375	0.38031	0.05975	-0.00010	0.01068	0.000	2.993	-0.003	8	1637
1644	1644	0.40383	0.38038	0.05975	-0.00010	0.01068	0.000	2.993	-0.003	8	1638
1645	1645	0.40631	0.38275	0.05974	-0.00011	0.01068	0.000	2.993	-0.003	8	1639
1646	1646	0.40923	0.38554	0.05974	-0.00011	0.01068	0.000	2.993	-0.003	8	1640
1647	1647	0.40984	0.38613	0.05974	-0.00011	0.01068	0.000	2.993	-0.003	8	1641
1648	1648	0.41009	0.38637	0.05973	-0.00011	0.01068	0.000	2.993	-0.003	8	1642
1649	1649	0.41212	0.38830	0.05973	-0.00011	0.01068	0.000	2.993	-0.003	8	1643
1650	1650	0.41329	0.38942	0.05973	-0.00011	0.01068	0.000	2.993	-0.003	8	1644
1651	1651	0.41389	0.39000	0.05973	-0.00011	0.01068	0.000	2.993	-0.003	8	1645
1652	1652	0.41489	0.39095	0.05973	-0.00011	0.01068	0.000	2.993	-0.003	8	1646
1653	1653	0.41780	0.39374	0.05972	-0.00011	0.01068	0.000	2.993	-0.003	8	1647
1654	1654	0.41782	0.39375	0.05972	-0.00011	0.01068	0.000	2.993	-0.003	8	1648
1655	1655	0.41804	0.39396	0.05972	-0.00011	0.01068	0.000	2.993	-0.003	8	1649
1656	1656	0.41827	0.39418	0.05972	-0.00011	0.01068	0.000	2.993	-0.003	8	1650
1657	1657	0.42023	0.39605	0.05972	-0.00011	0.01067	0.000	2.993	-0.003	8	1651
1658	1658	0.42128	0.39706	0.05972	-0.00011	0.01067	0.000	2.993	-0.003	8	1652
1659	1659	0.42818	0.40365	0.05970	-0.00011	0.01067	0.000	2.993	-0.003	8	1653
1660	1660	0.42971	0.40511	0.05970	-0.00011	0.01067	0.000	2.993	-0.003	8	1654
1661	1661	0.43051	0.40588	0.05970	-0.00012	0.01067	0.000	2.993	-0.003	8	1655
1662	1662	0.43113	0.40647	0.05970	-0.00012	0.01067	0.000	2.993	-0.003	8	1656
1663	1663	0.43128	0.40661	0.05970	-0.00012	0.01067	0.000	2.993	-0.003	8	1657
1664	1664	0.43182	0.40712	0.05970	-0.00012	0.01067	0.000	2.993	-0.003	8	1658
1665	1665	0.43465	0.40982	0.05969	-0.00012	0.01066	0.000	2.993	-0.003	8	1659
1666	1666	0.43678	0.41187	0.05969	-0.00012	0.01066	0.000	2.993	-0.003	8	1660
1667	1667	0.43701	0.41208	0.05969	-0.00012	0.01066	0.000	2.993	-0.003	8	1661
1668	1668	0.43712	0.41219	0.05969	-0.00012	0.01066	0.000	2.993	-0.003	8	1662
1669	1669	0.43745	0.41250	0.05969	-0.00012	0.01066	0.000	2.993	-0.003	8	1663
1670	1670	0.43757	0.41262	0.05969	-0.00012	0.01066	0.000	2.993	-0.003	8	1664
1671	1671	0.43786	0.41290	0.05968	-0.00012	0.01066	0.000	2.993	-0.003	8	1665
1672	1672	0.43911	0.41409	0.05968	-0.00012	0.01066	0.000	2.993	-0.003	8	1666
1673	1673	0.43965	0.41461	0.05968	-0.00012	0.01066	0.000	2.993	-0.003	8	1667
1674	1674	0.44177	0.41663	0.05968	-0.00012	0.01066	0.000	2.993	-0.003	8	1668
1675	1675	0.44180	0.41666	0.05968	-0.00012	0.01066	0.000	2.993	-0.003	8	1669
1676	1676	0.44549	0.42018	0.05967	-0.00012	0.01066	0.000	2.993	-0.004	8	1670
1677	1677	0.44821	0.42278	0.05967	-0.00012	0.01065	0.000	2.993	-0.004	8	1671
1678	1678	0.44960	0.42411	0.05966	-0.00012	0.01065	0.000	2.993	-0.004	8	1672
1679	1679	0.45031	0.42478	0.05966	-0.00012	0.01065	0.000	2.993	-0.004	8	1673
1680	1680	0.45040	0.42487	0.05966	-0.00012	0.01065	0.000	2.993	-0.004	8	1674
1681	1681	0.45136	0.42579	0.05966	-0.00012	0.01065	0.000	2.993	-0.004	8	1675
1682	1682	0.45275	0.42711	0.05966	-0.00012	0.01065	0.000	2.993	-0.004	8	1676
1683	1683	0.45423	0.42852	0.05965	-0.00012	0.01065	0.000	2.993	-0.004	8	1677
1684	1684	0.45577	0.42999	0.05965	-0.00013	0.01065	0.000	2.993	-0.004	8	1678
1685	1685	0.45989	0.43393	0.05964	-0.00013	0.01064	0.000	2.993	-0.004	8	1679
1686	1686	0.46068	0.43468	0.05964	-0.00013	0.01064	0.000	2.993	-0.004	8	1680
1687	1687	0.46076	0.43475	0.05964	-0.00013	0.01064	0.000	2.993	-0.004	8	1681
1688	1688	0.46468	0.43850	0.05963	-0.00013	0.01064	0.000	2.992	-0.004	8	1682
1689	1689	0.46501	0.43881	0.05963	-0.00013	0.01064	0.000	2.992	-0.004	8	1683
1690	1690	0.46603	0.43978	0.05963	-0.00013	0.01064	0.000	2.992	-0.004	8	1684
1691	1691	0.46706	0.44077	0.05963	-0.00013	0.01064	0.000	2.992	-0.004	8	1685
1692	1692	0.46715	0.44085	0.05963	-0.00013	0.01064	0.000	2.992	-0.004	8	1686
1693	1693	0.46813	0.44179	0.05962	-0.00013	0.01064	0.000	2.992	-0.004	8	1687

TABLE A-2 (Continued)

1694	1694	0.47190	0.44538	0.05962	-0.00013	0.01064	0.000	2.992	-0.004	8	1688
1695	1695	0.47372	0.44712	0.05961	-0.00013	0.01063	0.000	2.992	-0.004	8	1689
1696	1696	0.47662	0.44988	0.05961	-0.00013	0.01063	0.000	2.992	-0.004	8	1690
1697	1697	0.47723	0.45047	0.05961	-0.00013	0.01063	0.000	2.992	-0.004	8	1691
1698	1698	0.47751	0.45074	0.05960	-0.00013	0.01063	0.000	2.992	-0.004	8	1692
1699	1699	0.47828	0.45147	0.05960	-0.00014	0.01063	0.000	2.992	-0.004	8	1693
1700	1700	0.47889	0.45205	0.05960	-0.00014	0.01063	0.000	2.992	-0.004	8	1694
1701	1701	0.47991	0.45302	0.05960	-0.00014	0.01063	0.000	2.992	-0.004	8	1695
1702	1702	0.47957	0.45308	0.05960	-0.00014	0.01063	0.000	2.992	-0.004	8	1696
1703	1703	0.48331	0.45627	0.05959	-0.00014	0.01063	0.000	2.992	-0.004	8	1697
1704	1704	0.48386	0.45679	0.05959	-0.00014	0.01063	0.000	2.992	-0.004	8	1698
1705	1705	0.48446	0.45736	0.05959	-0.00014	0.01062	0.000	2.992	-0.004	8	1699
1706	1706	0.48785	0.46060	0.05958	-0.00014	0.01062	0.000	2.992	-0.004	8	1700
1707	1707	0.48815	0.46088	0.05958	-0.00014	0.01062	0.000	2.992	-0.004	8	1701
1708	1708	0.48851	0.46122	0.05958	-0.00014	0.01062	0.000	2.992	-0.004	8	1702
1709	1709	0.49232	0.46486	0.05957	-0.00014	0.01062	0.000	2.992	-0.004	8	1703
1710	1710	0.49295	0.46545	0.05957	-0.00014	0.01062	0.000	2.992	-0.004	8	1704
1711	1711	0.49315	0.46564	0.05957	-0.00014	0.01062	0.000	2.992	-0.004	8	1705
1712	1712	0.49463	0.46706	0.05957	-0.00014	0.01062	0.000	2.992	-0.004	8	1706
1713	1713	0.49642	0.46876	0.05956	-0.00014	0.01061	0.000	2.992	-0.004	8	1707
1714	1714	0.49716	0.46946	0.05956	-0.00014	0.01061	0.000	2.992	-0.004	8	1708
1715	1715	0.49743	0.46972	0.05956	-0.00014	0.01061	0.000	2.992	-0.004	8	1709
1716	1716	0.49861	0.47085	0.05956	-0.00014	0.01061	0.000	2.992	-0.004	8	1710
1717	1717	0.50131	0.47343	0.05955	-0.00015	0.01061	0.000	2.992	-0.004	8	1711
1718	1718	0.50134	0.47345	0.05955	-0.00015	0.01061	0.000	2.992	-0.004	8	1712
1719	1719	0.50174	0.47383	0.05955	-0.00015	0.01061	0.000	2.992	-0.005	8	1713
1720	1720	0.50243	0.47449	0.05955	-0.00015	0.01061	0.000	2.992	-0.005	8	1714
1721	1721	0.50337	0.47539	0.05955	-0.00015	0.01061	0.000	2.992	-0.005	8	1715
1722	1722	0.50753	0.47935	0.05954	-0.00015	0.01060	0.000	2.992	-0.005	8	1716
1723	1723	0.51450	0.48598	0.05952	-0.00015	0.01060	0.000	2.992	-0.005	8	1717
1724	1724	0.51701	0.48837	0.05951	-0.00015	0.01060	0.000	2.991	-0.005	8	1718
1725	1725	0.51841	0.48971	0.05951	-0.00015	0.01059	0.000	2.991	-0.005	8	1719
1726	1726	0.51844	0.48974	0.05951	-0.00015	0.01059	0.000	2.991	-0.005	8	1720
1727	1727	0.51938	0.49063	0.05951	-0.00015	0.01059	0.000	2.991	-0.005	8	1721
1728	1728	0.51947	0.49072	0.05951	-0.00015	0.01059	0.000	2.991	-0.005	8	1722
1729	1729	0.52063	0.49182	0.05951	-0.00015	0.01059	0.000	2.991	-0.005	8	1723
1730	1730	0.52091	0.49209	0.05950	-0.00015	0.01059	0.000	2.991	-0.005	8	1724
1731	1731	0.52097	0.49214	0.05950	-0.00015	0.01059	0.000	2.991	-0.005	8	1725
1732	1732	0.52235	0.49346	0.05950	-0.00016	0.01059	0.000	2.991	-0.005	8	1726
1733	1733	0.52251	0.49362	0.05950	-0.00016	0.01059	0.000	2.991	-0.005	8	1727
1734	1734	0.52364	0.49469	0.05950	-0.00016	0.01059	0.000	2.991	-0.005	8	1728
1735	1735	0.52394	0.49498	0.05950	-0.00016	0.01059	0.000	2.991	-0.005	8	1729
1736	1736	0.53035	0.50108	0.05948	-0.00016	0.01058	0.000	2.991	-0.005	8	1730
1737	1737	0.53051	0.50122	0.05948	-0.00016	0.01058	0.000	2.991	-0.005	8	1731
1738	1738	[illegible]	0.50171	0.05948	-0.00016	0.01058	0.000	2.991	-0.005	8	1732
1739	1739	[illegible]	0.50180	0.05948	-0.00016	0.01058	0.000	2.991	-0.005	8	1733
1740	1740	[illegible]	0.50235	0.05948	-0.00016	0.01058	0.000	2.991	-0.005	8	1734
1741	1741	0.53216	0.50279	0.05948	-0.00016	0.01058	0.000	2.991	-0.005	8	1735
1742	1742	0.53345	0.50403	0.05947	-0.00016	0.01058	0.000	2.991	-0.005	8	1736
1743	1743	0.53397	0.50452	0.05947	-0.00016	0.01058	0.000	2.991	-0.005	8	1737
1744	1744	0.53453	0.50505	0.05947	-0.00016	0.01058	0.000	2.991	-0.005	8	1738
1745	1745	0.53585	0.50631	0.05947	-0.00016	0.01058	0.000	2.991	-0.005	8	1739
1746	1746	0.53715	0.50755	0.05946	-0.00016	0.01058	0.000	2.991	-0.005	8	1740
1747	1747	0.53945	0.50974	0.05946	-0.00016	0.01057	0.000	2.991	-0.005	8	1741
1748	1748	0.54126	0.51146	0.05945	-0.00017	0.01057	0.000	2.991	-0.005	8	1742
1749	1749	0.54210	0.51226	0.05945	-0.00017	0.01057	0.000	2.991	-0.005	8	1743
1750	1750	0.54280	0.51292	0.05945	-0.00017	0.01057	0.000	2.991	-0.005	8	1744
1751	1751	0.54386	0.51393	0.05945	-0.00017	0.01057	0.000	2.991	-0.005	8	1745
1752	1752	0.54665	0.51658	0.05944	-0.00017	0.01057	0.000	2.991	-0.005	8	1746
1753	1753	0.54806	0.51792	0.05943	-0.00017	0.01056	0.000	2.991	-0.005	8	1747
1754	1754	0.54911	0.51892	0.05943	-0.00017	0.01056	0.000	2.991	-0.005	8	1748
1755	1755	0.55093	0.52066	0.05943	-0.00017	0.01056	0.000	2.991	-0.005	8	1749
1756	1756	0.55115	0.52086	0.05943	-0.00017	0.01056	0.000	2.991	-0.005	8	1750
1757	1757	0.55335	0.52296	0.05942	-0.00017	0.01056	0.000	2.991	-0.005	8	1751
1758	1758	0.55343	0.52303	0.05942	-0.00017	0.01056	0.000	2.991	-0.005	8	1752
1759	1759	0.55499	0.52451	0.05942	-0.00017	0.01056	0.000	2.991	-0.006	8	1753

TABLE A-2 (Continued)

1760	1760	0.55505	0.52457	0.05942	-0.00017	0.01056	0.000	2.991	-0.006	8	1754
1761	1761	0.55642	0.52587	0.05941	-0.00017	0.01056	0.000	2.991	-0.006	8	1755
1762	1762	0.55942	0.52872	0.05940	-0.00017	0.01055	0.000	2.990	-0.006	8	1756
1763	1763	0.56180	0.53098	0.05940	-0.00018	0.01055	0.000	2.990	-0.006	8	1757
1764	1764	0.56477	0.53381	0.05939	-0.00018	0.01055	0.000	2.990	-0.006	8	1758
1765	1765	0.56605	0.53502	0.05938	-0.00018	0.01055	0.000	2.990	-0.006	8	1759
1766	1766	0.56612	0.53509	0.05938	-0.00018	0.01055	0.000	2.990	-0.006	8	1760
1767	1767	0.56633	0.53529	0.05938	-0.00018	0.01054	0.000	2.990	-0.006	8	1761
1768	1768	0.56808	0.53696	0.05938	-0.00018	0.01054	0.000	2.990	-0.006	8	1762
1769	1769	0.56962	0.53841	0.05937	-0.00018	0.01054	0.000	2.990	-0.006	8	1763
1770	1770	0.57198	0.54066	0.05937	-0.00018	0.01054	0.000	2.990	-0.006	8	1764
1771	1771	0.57234	0.54100	0.05937	-0.00018	0.01054	0.000	2.990	-0.006	8	1765
1772	1772	0.57255	0.54120	0.05937	-0.00018	0.01054	0.000	2.990	-0.006	8	1766
1773	1773	0.57320	0.54182	0.05936	-0.00018	0.01054	0.000	2.990	-0.006	8	1767
1774	1774	0.57320	0.54182	0.05936	-0.00018	0.01054	0.000	2.990	-0.006	8	1768
1775	1775	0.57538	0.54389	0.05936	-0.00018	0.01053	0.000	2.990	-0.006	8	1769
1776	1776	0.57691	0.54534	0.05935	-0.00018	0.01053	0.000	2.990	-0.006	8	1770
1777	1777	0.57694	0.54537	0.05935	-0.00018	0.01053	0.000	2.990	-0.006	8	1771
1778	1778	0.57711	0.54553	0.05935	-0.00018	0.01053	0.000	2.990	-0.006	8	1772
1779	1779	0.57738	0.54579	0.05935	-0.00018	0.01053	0.000	2.990	-0.006	8	1773
1780	1780	0.57951	0.54781	0.05934	-0.00019	0.01053	0.000	2.990	-0.006	8	1774
1781	1781	0.58019	0.54846	0.05934	-0.00019	0.01053	0.000	2.990	-0.006	8	1775
1782	1782	0.58058	0.54883	0.05934	-0.00019	0.01053	0.000	2.990	-0.006	8	1776
1783	1783	0.58252	0.55066	0.05934	-0.00019	0.01053	0.000	2.990	-0.006	8	1777
1784	1784	0.58264	0.55078	0.05934	-0.00019	0.01053	0.000	2.990	-0.006	8	1778
1785	1785	0.58806	0.55592	0.05932	-0.00019	0.01052	0.000	2.990	-0.006	8	1779
1786	1786	0.59216	0.55982	0.05931	-0.00019	0.01052	0.000	2.990	-0.006	8	1780
1787	1787	0.59305	0.56066	0.05930	-0.00019	0.01051	0.000	2.990	-0.006	8	1781
1788	1788	0.59455	0.56208	0.05930	-0.00019	0.01051	0.000	2.990	-0.006	8	1782
1789	1789	0.59659	0.56401	0.05929	-0.00020	0.01051	0.000	2.989	-0.006	8	1783
1790	1790	0.59748	0.56487	0.05929	-0.00020	0.01051	0.000	2.989	-0.006	8	1784
1791	1791	0.59814	0.56549	0.05929	-0.00020	0.01051	0.000	2.989	-0.006	8	1785
1792	1792	0.59828	0.56562	0.05929	-0.00020	0.01051	0.000	2.989	-0.006	8	1786
1793	1793	0.59886	0.56617	0.05929	-0.00020	0.01051	0.000	2.989	-0.006	8	1787
1794	1794	0.59917	0.56646	0.05928	-0.00020	0.01051	0.000	2.989	-0.006	8	1788
1795	1795	0.60060	0.56782	0.05928	-0.00020	0.01050	0.000	2.989	-0.006	8	1789
1796	1796	0.60286	0.56997	0.05927	-0.00020	0.01050	0.000	2.989	-0.007	8	1790
1797	1797	0.60542	0.57240	0.05926	-0.00020	0.01050	0.000	2.989	-0.007	8	1791
1798	1798	0.60737	0.57425	0.05926	-C.00020	0.01050	0.000	2.989	-0.007	8	1792
1799	1799	0.60805	0.57489	0.05926	-0.00020	0.01050	0.000	2.989	-0.007	8	1793
1800	1800	0.60863	0.57544	0.05925	-C.00020	0.01049	0.000	2.989	-0.007	8	1794
1801	1801	0.60863	0.57544	0.05925	-0.00020	0.01049	0.000	2.989	-0.007	8	1795
1802	1802	0.60939	0.57615	0.05925	-C.00020	0.01049	0.000	2.989	-0.007	8	1796
1803	1803	0.61076	0.57746	0.05925	-C.00020	0.01049	0.000	2.989	-0.007	8	1797
1804	1804	0.61493	0.58141	0.05923	-0.00021	0.01049	0.000	2.989	-0.007	8	1798
1805	1805	0.61514	0.58161	0.05923	-0.00021	0.01049	0.000	2.989	-0.007	8	1799
1806	1806	0.61516	0.58163	0.05923	-0.00021	0.01049	0.000	2.989	-0.007	8	1800
1807	1807	0.61651	0.58291	0.05923	-0.00021	0.01048	0.000	2.989	-0.007	8	1801
1808	1808	0.61674	0.58313	0.05923	-0.00021	0.01048	0.000	2.989	-0.007	8	1802
1809	1809	0.61712	0.58349	0.05923	-0.00021	0.01048	0.000	2.989	-0.007	8	1803
1810	1810	0.62053	0.58672	0.05922	-C.00021	0.01048	0.000	2.989	-0.007	8	1804
1811	1811	0.62076	0.58693	0.05921	-0.00021	0.01048	0.000	2.989	-0.007	8	1805
1812	1812	0.62167	0.58779	0.05921	-C.00021	0.01048	0.000	2.989	-0.007	8	1806
1813	1813	0.62185	0.58797	0.05921	-0.00021	0.01048	0.000	2.989	-0.007	8	1807
1814	1814	0.62258	0.58866	0.05921	-0.00021	0.01048	0.000	2.989	-0.007	8	1808
1815	1815	0.62437	0.59035	0.05920	-0.00021	0.01047	0.000	2.989	-0.007	8	1809
1816	1816	0.62469	0.59065	0.05920	-0.00021	0.01047	0.000	2.989	-0.007	8	1810
1817	1817	0.62616	0.59205	0.05920	-0.00021	0.01047	0.000	2.989	-0.007	8	1811
1818	1818	0.62869	0.59444	0.05919	-0.00022	0.01047	0.000	2.989	-0.007	8	1812
1819	1819	0.63090	0.59654	0.05918	-0.00022	0.01047	0.000	2.988	-0.007	8	1813
1820	1820	0.63592	0.60129	0.05916	-0.00022	0.01046	0.000	2.988	-0.007	8	1814
1821	1821	0.63669	0.60202	0.05916	-0.00022	0.01046	0.000	2.988	-0.007	8	1815
1822	1822	0.63716	0.60247	0.05916	-0.00022	0.01046	0.000	2.988	-0.007	8	1816
1823	1823	0.63944	0.60462	0.05915	-0.00022	0.01045	0.000	2.988	-0.007	8	1817
1824	1824	0.64021	0.60535	0.05915	-0.00022	0.01045	0.000	2.988	-0.007	8	1818
1825	1825	0.64114	0.60624	0.05914	-0.00022	0.01045	0.000	2.988	-0.007	8	1819

TABLE A-2 (Continued)

1826	1826	0.64405	0.60898	0.05913	-0.00023	0.01045	0.000	2.988	-0.007	8	1820
1827	1827	0.64742	0.61218	0.05912	-0.00023	0.01044	0.000	2.988	-0.007	8	1821
1828	1828	0.64880	0.61348	0.05912	-0.00023	0.01044	0.000	2.988	-0.008	8	1822
1829	1829	0.65160	0.61612	0.05911	-0.00023	0.01044	0.000	2.988	-0.008	8	1823
1830	1830	0.65165	0.61617	0.05911	-0.00023	0.01044	0.000	2.988	-0.008	8	1824
1831	1831	0.65556	0.61988	0.05909	-0.00023	0.01043	0.000	2.987	-0.008	8	1825
1832	1832	0.65614	0.62042	0.05909	-0.00023	0.01043	0.000	2.987	-0.008	8	1826
1833	1833	0.65735	0.62157	0.05908	-0.00023	0.01043	0.000	2.987	-0.008	8	1827
1834	1834	0.65875	0.62288	0.05908	-0.00024	0.01043	0.000	2.987	-0.008	8	1828
1835	1835	0.65877	0.62290	0.05908	-0.00024	0.01043	0.000	2.987	-0.008	8	1829
1836	1836	0.65962	0.62371	0.05908	-0.00024	0.01043	0.000	2.987	-0.008	8	1830
1837	1837	0.66051	0.62455	0.05907	-0.00024	0.01042	0.000	2.987	-0.008	8	1831
1838	1838	0.66051	0.62455	0.05907	-0.00024	0.01042	0.000	2.987	-0.008	8	1832
1839	1839	0.66095	0.62496	0.05907	-0.00024	0.01042	0.000	2.987	-0.008	8	1833
1840	1840	0.66238	0.62631	0.05907	-0.00024	0.01042	0.000	2.987	-0.008	8	1834
1841	1841	0.66239	0.62633	0.05906	-0.00024	0.01042	0.000	2.987	-0.008	8	1835
1842	1842	0.66306	0.62696	0.05906	-0.00024	0.01042	0.000	2.987	-0.008	8	1836
1843	1843	0.66321	0.62710	0.05906	-0.00024	0.01042	0.000	2.987	-0.008	8	1837
1844	1844	0.66337	0.62725	0.05906	-0.00024	0.01042	0.000	2.987	-0.008	8	1838
1845	1845	0.66382	0.62768	0.05906	-0.00024	0.01042	0.000	2.987	-0.008	8	1839
1846	1846	0.66425	0.62809	0.05906	-0.00024	0.01042	0.000	2.987	-0.008	8	1840
1847	1847	0.66563	0.62939	0.05905	-0.00024	0.01042	0.000	2.987	-0.008	8	1841
1848	1848	0.66806	0.63168	0.05904	-0.00024	0.01041	0.000	2.987	-0.008	8	1842
1849	1849	0.67118	0.63463	0.05903	-0.00024	0.01041	0.000	2.987	-0.008	8	1843
1850	1850	0.67337	0.63670	0.05902	-0.00025	0.01040	0.000	2.987	-0.008	8	1844
1851	1851	0.67390	0.63720	0.05902	-0.00025	0.01040	0.000	2.987	-0.008	8	1845
1852	1852	0.67428	0.63756	0.05902	-0.00025	0.01040	0.000	2.987	-0.008	8	1846
1853	1853	0.67569	0.63889	0.05901	-0.00025	0.01040	0.000	2.987	-0.008	8	1847
1854	1854	0.67787	0.64095	0.05900	-0.00025	0.01040	0.000	2.987	-0.008	8	1848
1855	1855	0.67823	0.64128	0.05900	-0.00025	0.01040	0.000	2.987	-0.008	8	1849
1856	1856	0.68115	0.64404	0.05899	-0.00025	0.01039	0.000	2.986	-0.008	8	1850
1857	1857	0.68134	0.64422	0.05899	-0.00025	0.01039	0.000	2.986	-0.008	8	1851
1858	1858	0.68332	0.64609	0.05898	-0.00025	0.01039	0.000	2.986	-0.008	8	1852
1859	1859	0.68406	0.64680	0.05898	-0.00025	0.01039	0.000	2.986	-0.008	8	1853
1860	1860	0.68729	0.64984	0.05897	-0.00026	0.01038	0.000	2.986	-0.008	8	1854
1861	1861	0.69128	0.65360	0.05895	-0.00026	0.01038	0.000	2.986	-0.009	8	1855
1862	1862	0.69173	0.65403	0.05895	-0.00026	0.01038	0.000	2.986	-0.009	8	1856
1863	1863	0.69184	0.65413	0.05895	-0.00026	0.01038	0.000	2.986	-0.009	8	1857
1864	1864	0.69264	0.65488	0.05894	-0.00026	0.01037	0.000	2.986	-0.009	8	1858
1865	1865	0.69322	0.65544	0.05894	-0.00026	0.01037	0.000	2.986	-0.009	8	1859
1866	1866	0.69446	0.65661	0.05894	-0.00026	0.01037	0.000	2.986	-0.009	8	1860
1867	1867	0.69489	0.65701	0.05893	-0.00026	0.01037	0.000	2.986	-0.009	8	1861
1868	1868	0.69666	0.65867	0.05893	-0.00026	0.01037	0.000	2.986	-0.009	8	1862
1869	1869	0.69790	0.65985	0.05892	-0.00027	0.01037	0.000	2.986	-0.009	8	1863
1870	1870	0.70076	0.66254	0.05891	-0.00027	0.01036	0.000	2.986	-0.009	8	1864
1871	1871	0.70239	0.66408	0.05890	-0.00027	0.01036	0.000	2.985	-0.009	8	1865
1872	1872	0.70247	0.66415	0.05890	-0.00027	0.01036	0.000	2.985	-0.009	8	1866
1873	1873	0.70440	0.66597	0.05889	-0.00027	0.01035	0.000	2.985	-0.009	8	1867
1874	1874	0.70455	0.66611	0.05889	-0.00027	0.01035	0.000	2.985	-0.009	8	1868
1875	1875	0.70464	0.66620	0.05889	-0.00027	0.01035	0.000	2.985	-0.009	8	1869
1876	1876	0.70551	0.66701	0.05889	-0.00027	0.01035	0.000	2.985	-0.009	8	1870
1877	1877	0.70720	0.66861	0.05888	-0.00027	0.01035	0.000	2.985	-0.009	8	1871
1878	1878	0.71110	0.67228	0.05886	-0.00028	0.01034	0.000	2.985	-0.009	8	1872
1879	1879	0.71125	0.67243	0.05886	-0.00028	0.01034	0.000	2.985	-0.009	8	1873
1880	1880	0.71154	0.67270	0.05886	-0.00028	0.01034	0.000	2.985	-0.009	8	1874
1881	1881	0.71163	0.67278	0.05886	-0.00028	0.01034	0.000	2.985	-0.009	8	1875
1882	1882	0.71499	0.67595	0.05885	-0.00028	0.01034	0.000	2.985	-0.009	8	1876
1883	1883	0.71586	0.67676	0.05884	-0.00028	0.01034	0.000	2.985	-0.009	8	1877
1884	1884	0.71609	0.67699	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1878
1885	1885	0.71634	0.67722	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1879
1886	1886	0.71645	0.67732	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1880
1887	1887	0.71674	0.67759	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1881
1888	1888	0.71681	0.67766	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1882
1889	1889	0.71687	0.67772	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1883
1890	1890	0.71776	0.67856	0.05884	-0.00028	0.01033	0.000	2.985	-0.009	8	1884
1891	1891	0.71822	0.67899	0.05883	-0.00028	0.01033	0.000	2.985	-0.009	8	1885

TABLE A-2 (Continued)

1892	1892	0.72012	0.68078	0.05882	-0.00028	0.01033	0.000	2.985	-0.009	8	1886
1893	1893	0.72285	0.68335	0.05881	-0.00029	0.01032	0.000	2.984	-0.009	8	1887
1894	1894	0.72515	0.68551	0.05880	-0.00029	0.01032	0.000	2.984	-0.009	8	1888
1895	1895	0.72714	0.68738	0.05879	-0.00029	0.01031	0.000	2.984	-0.009	8	1889
1896	1896	0.72955	0.68965	0.05878	-0.00029	0.01031	0.000	2.984	-0.009	8	1890
1897	1897	0.72989	0.68997	0.05878	-0.00029	0.01031	0.000	2.984	-0.010	8	1891
1898	1898	0.73067	0.69070	0.05878	-0.00029	0.01031	0.000	2.984	-0.010	8	1892
1899	1899	0.73124	0.69124	0.05877	-0.00029	0.01031	0.000	2.984	-0.010	8	1893
1900	1900	0.73245	0.69237	0.05877	-0.00029	0.01031	0.000	2.984	-0.010	8	1894
1901	1901	0.73272	0.69263	0.05877	-0.00029	0.01030	0.000	2.984	-0.010	8	1895
1902	1902	0.73319	0.69307	0.05876	-0.00030	0.01030	0.000	2.984	-0.010	8	1896
1903	1903	0.73496	0.69473	0.05876	-0.00030	0.01030	0.000	2.984	-0.010	8	1897
1904	1904	0.73507	0.69483	0.05876	-0.00030	0.01030	0.000	2.984	-0.010	8	1898
1905	1905	0.73515	0.69491	0.05875	-0.00030	0.01030	0.000	2.984	-0.010	8	1899
1906	1906	0.73561	0.69535	0.05875	-0.00030	0.01030	0.000	2.984	-0.010	8	1900
1907	1907	0.73899	0.69853	0.05874	-0.00030	0.01029	0.000	2.984	-0.010	8	1901
1908	1908	0.74051	0.69995	0.05873	-0.00030	0.01029	0.000	2.983	-0.010	8	1902
1909	1909	0.74147	0.70085	0.05872	-0.00030	0.01029	0.000	2.983	-0.010	8	1903
1910	1910	0.74274	0.70205	0.05872	-0.00030	0.01029	0.000	2.983	-0.010	8	1904
1911	1911	0.74681	0.70587	0.05870	-0.00031	0.01028	0.000	2.983	-0.010	8	1905
1912	1912	0.74709	0.70614	0.05870	-0.00031	0.01028	0.000	2.983	-0.010	8	1906
1913	1913	0.74761	0.70662	0.05869	-0.00031	0.01028	0.000	2.983	-0.010	8	1907
1914	1914	0.74803	0.70702	0.05869	-0.00031	0.01028	0.000	2.983	-0.010	8	1908
1915	1915	0.74824	0.70721	0.05869	-0.00031	0.01028	0.000	2.983	-0.010	8	1909
1916	1916	0.74922	0.70813	0.05869	-0.00031	0.01027	0.000	2.983	-0.010	8	1910
1917	1917	0.75017	0.70902	0.05868	-0.00031	0.01027	0.000	2.983	-0.010	8	1911
1918	1918	0.75059	0.70942	0.05868	-0.00031	0.01027	0.000	2.983	-0.010	8	1912
1919	1919	0.75445	0.71304	0.05866	-0.00031	0.01026	0.000	2.983	-0.010	8	1913
1920	1920	0.75780	0.71618	0.05864	-0.00032	0.01026	0.001	2.982	-0.010	8	1914
1921	1921	0.75942	0.71771	0.05863	-0.00032	0.01025	0.001	2.982	-0.010	8	1915
1922	1922	0.76120	0.71937	0.05863	-0.00032	0.01025	0.001	2.982	-0.010	8	1916
1923	1923	0.76165	0.71980	0.05862	-0.00032	0.01025	0.001	2.982	-0.010	8	1917
1924	1924	0.76271	0.72079	0.05862	-0.00032	0.01025	0.001	2.982	-0.010	8	1918
1925	1925	0.76337	0.72142	0.05861	-0.00032	0.01025	0.001	2.982	-0.010	8	1919
1926	1926	0.76373	0.72175	0.05861	-0.00032	0.01024	0.001	2.982	-0.010	8	1920
1927	1927	0.76557	0.72348	0.05860	-0.00033	0.01024	0.001	2.982	-0.010	8	1921
1928	1928	0.76606	0.72393	0.05860	-0.00033	0.01024	0.001	2.982	-0.010	8	1922
1929	1929	0.76692	0.72474	0.05860	-0.00033	0.01024	0.001	2.982	-0.011	8	1923
1930	1930	0.76833	0.72606	0.05859	-0.00033	0.01024	0.001	2.982	-0.011	8	1924
1931	1931	0.77324	0.73066	0.05856	-0.00033	0.01023	0.001	2.981	-0.011	8	1925
1932	1932	0.77412	0.73149	0.05856	-0.00033	0.01022	0.001	2.981	-0.011	8	1926
1933	1933	0.77500	0.73232	0.05855	-0.00034	0.01022	0.001	2.981	-0.011	8	1927
1934	1934	0.77670	0.73391	0.05854	-0.00034	0.01022	0.001	2.981	-0.011	8	1928
1935	1935	0.78077	0.73772	0.05852	-0.00034	0.01021	0.001	2.981	-0.011	8	1929
1936	1936	0.78102	0.73795	0.05852	-0.00034	0.01021	0.001	2.981	-0.011	8	1930
1937	1937	0.78570	0.74233	0.05850	-0.00035	0.01020	0.001	2.981	-0.011	8	1931
1938	1938	0.78603	0.74264	0.05849	-0.00035	0.01020	0.001	2.981	-0.011	8	1932
1939	1939	0.78786	0.74435	0.05848	-0.00035	0.01019	0.001	2.980	-0.011	8	1933
1940	1940	0.78972	0.74609	0.05847	-0.00035	0.01019	0.001	2.980	-0.011	8	1934
1941	1941	0.79062	0.74693	0.05847	-0.00035	0.01019	0.001	2.980	-0.011	8	1935
1942	1942	0.79073	0.74704	0.05847	-0.00035	0.01019	0.001	2.980	-0.011	8	1936
1943	1943	0.79135	0.74762	0.05846	-0.00035	0.01019	0.001	2.980	-0.011	8	1937
1944	1944	0.79451	0.75058	0.05845	-0.00036	0.01018	0.001	2.980	-0.011	8	1938
1945	1945	0.79663	0.75255	0.05843	-0.00036	0.01017	0.001	2.980	-0.011	8	1939
1946	1946	0.80218	0.75775	0.05840	-0.00036	0.01016	0.001	2.979	-0.012	8	1940
1947	1947	0.80222	0.75778	0.05840	-0.00036	0.01016	0.001	2.979	-0.012	8	1941
1948	1948	0.80726	0.76249	0.05837	-0.00037	0.01015	0.001	2.979	-0.012	8	1942
1949	1949	0.80747	0.76269	0.05837	-0.00037	0.01015	0.001	2.979	-0.012	8	1943
1950	1950	0.80830	0.76347	0.05837	-0.00037	0.01015	0.001	2.979	-0.012	8	1944
1951	1951	0.80911	0.76422	0.05836	-0.00037	0.01015	0.001	2.979	-0.012	8	1945
1952	1952	0.80918	0.76428	0.05836	-0.00037	0.01015	0.001	2.979	-0.012	8	1946
1953	1953	0.81409	0.76886	0.05833	-0.00038	0.01013	0.001	2.978	-0.012	8	1947
1954	1954	0.81531	0.77000	0.05832	-0.00038	0.01013	0.001	2.978	-0.012	8	1948
1955	1955	0.81646	0.77108	0.05832	-0.00038	0.01013	0.001	2.978	-0.012	8	1949
1956	1956	0.81647	0.77109	0.05832	-0.00038	0.01013	0.001	2.978	-0.012	8	1950
1957	1957	0.81704	0.77162	0.05831	-0.00038	0.01013	0.001	2.978	-0.012	8	1951

TABLE A-2 (Continued)

1958	1958	0.81964	0.77405	0.05830	-0.00038	0.01012	0.001	2.978	-0.012	8	1952
1959	1959	0.82002	0.77440	0.05829	-0.00039	0.01012	0.001	2.978	-0.012	8	1953
1960	1960	0.82072	0.77505	0.05829	-0.00039	0.01012	0.001	2.978	-0.012	8	1954
1961	1961	0.82245	0.77667	0.05828	-0.00039	0.01011	0.001	2.978	-0.012	8	1955
1962	1962	0.82347	0.77762	0.05827	-0.00039	0.01011	0.001	2.978	-0.012	8	1956
1963	1963	0.82609	0.78006	0.05826	-0.00039	0.01010	0.001	2.977	-0.012	8	1957
1964	1964	0.82720	0.78110	0.05825	-0.00039	0.01010	0.001	2.977	-0.012	8	1958
1965	1965	0.82792	0.78177	0.05825	-0.00039	0.01010	0.001	2.977	-0.012	8	1959
1966	1966	0.82902	0.78279	0.05824	-0.00040	0.01010	0.001	2.977	-0.012	8	1960
1967	1967	0.83198	0.78555	0.05822	-0.00040	0.01009	0.001	2.977	-0.012	8	1961
1968	1968	0.83433	0.78773	0.05820	-0.00040	0.01008	0.001	2.977	-0.013	8	1962
1969	1969	0.83520	0.78855	0.05820	-0.00040	0.01008	0.001	2.977	-0.013	8	1963
1970	1970	0.83540	0.78873	0.05820	-0.00040	0.01008	0.001	2.977	-0.013	8	1964
1971	1971	0.84011	0.79312	0.05817	-0.00041	0.01007	0.001	2.976	-0.013	8	1965
1972	1972	0.84107	0.79401	0.05816	-0.00041	0.01007	0.001	2.976	-0.013	8	1966
1973	1973	0.84226	0.79512	0.05815	-0.00041	0.01006	0.001	2.976	-0.013	8	1967
1974	1974	0.84423	0.79695	0.05814	-0.00042	0.01006	0.001	2.976	-0.013	8	1968
1975	1975	0.84438	0.79709	0.05814	-0.00042	0.01006	0.001	2.976	-0.013	8	1969
1976	1976	0.84687	0.79940	0.05812	-0.00042	0.01005	0.001	2.975	-0.013	8	1970
1977	1977	0.84887	0.80126	0.05811	-0.00042	0.01005	0.001	2.975	-0.013	8	1971
1978	1978	0.85477	0.80675	0.05807	-0.00043	0.01003	0.001	2.975	-0.013	2	1972
1979	1979	0.85555	0.80748	0.05806	-0.00043	0.01003	0.001	2.975	-0.013	2	1973
1980	1980	0.85656	0.80841	0.05806	-0.00043	0.01003	0.001	2.974	-0.013	2	1974
1981	1981	0.85681	0.80864	0.05805	-0.00043	0.01002	0.001	2.974	-0.013	2	1975
1982	1982	0.85754	0.80932	0.05805	-0.00043	0.01002	0.001	2.974	-0.013	2	1976
1983	1983	0.85830	0.81003	0.05804	-0.00043	0.01002	0.001	2.974	-0.013	2	1977
1984	1984	0.86158	0.81307	0.05802	-0.00044	0.01001	0.001	2.974	-0.013	2	1978
1985	1985	0.86336	0.81473	0.05801	-0.00044	0.01001	0.001	2.974	-0.014	2	1979
1986	1986	0.86392	0.81524	0.05800	-0.00044	0.01001	0.001	2.974	-0.014	2	1980
1987	1987	0.86453	0.81582	0.05800	-0.00044	0.01000	0.001	2.974	-0.014	2	1981
1988	1988	0.86513	0.81637	0.05800	-0.00044	0.01000	0.001	2.974	-0.014	2	1982
1989	1989	0.86683	0.81795	0.05798	-0.00045	0.01000	0.001	2.973	-0.014	2	1983
1990	1990	0.86803	0.81906	0.05798	-0.00045	0.00999	0.001	2.973	-0.014	2	1984
1991	1991	0.87112	0.82192	0.05795	-0.00045	0.00998	0.001	2.973	-0.014	2	1985
1992	1992	0.87129	0.82209	0.05795	-0.00045	0.00998	0.001	2.973	-0.014	2	1986
1993	1993	0.87134	0.82213	0.05795	-0.00045	0.00998	0.001	2.973	-0.014	2	1987
1994	1994	0.87389	0.82449	0.05793	-0.00046	0.00998	0.001	2.973	-0.014	2	1988
1995	1995	0.87411	0.82469	0.05793	-0.00046	0.00998	0.001	2.973	-0.014	2	1989
1996	1996	0.87507	0.82559	0.05792	-0.00046	0.00997	0.001	2.972	-0.014	2	1990
1997	1997	0.87581	0.82627	0.05792	-0.00046	0.00997	0.001	2.972	-0.014	2	1991
1998	1998	0.87629	0.82672	0.05792	-0.00046	0.00997	0.001	2.972	-0.014	2	1992
1999	1999	0.87746	0.82780	0.05791	-0.00046	0.00997	0.001	2.972	-0.014	2	1993
2000	2000	0.87763	0.82795	0.05791	-0.00046	0.00997	0.001	2.972	-0.014	2	1994
2001	2001	0.87841	0.82868	0.05790	-0.00046	0.00996	0.001	2.972	-0.014	2	1995
2002	2002	0.87892	0.82915	0.05790	-0.00046	0.00996	0.001	2.972	-0.014	2	1996
2003	2003	0.87920	0.82941	0.05789	-0.00046	0.00996	0.001	2.972	-0.014	2	1997
2004	2004	0.88036	0.83049	0.05788	-0.00047	0.00996	0.001	2.972	-0.014	2	1998
2005	2005	0.88351	0.83341	0.05786	-0.00047	0.00995	0.001	2.971	-0.014	2	1999
2006	2006	0.88556	0.83531	0.05785	-0.00047	0.00994	0.001	2.971	-0.014	2	2000
2007	2007	0.88783	0.83741	0.05783	-0.00048	0.00994	0.001	2.971	-0.014	2	2001
2008	2008	0.88831	0.83785	0.05782	-0.00048	0.00993	0.001	2.971	-0.014	2	2002
2009	2009	0.89112	0.84045	0.05780	-0.00048	0.00993	0.001	2.971	-0.015	2	2003
2010	2010	0.89619	0.84513	0.05776	-0.00049	0.00991	0.001	2.970	-0.015	2	2004
2011	2011	0.89664	0.84555	0.05776	-0.00049	0.00991	0.001	2.970	-0.015	2	2005
2012	2012	0.89718	0.84605	0.05776	-0.00049	0.00991	0.001	2.970	-0.015	2	2006
2013	2013	0.90505	0.85332	0.05769	-0.00051	0.00988	0.001	2.969	-0.015	2	2007
2014	2014	0.90523	0.85348	0.05769	-0.00051	0.00988	0.001	2.969	-0.015	2	2008
2015	2015	0.90632	0.85449	0.05768	-0.00051	0.00988	0.001	2.969	-0.015	2	2009
2016	2016	0.91027	0.85814	0.05765	-0.00051	0.00986	0.001	2.968	-0.015	2	2010
2017	2017	0.91038	0.85824	0.05765	-0.00051	0.00986	0.001	2.968	-0.015	2	2011
2018	2018	0.91186	0.85960	0.05764	-0.00052	0.00986	0.001	2.968	-0.015	2	2012
2019	2019	0.91322	0.86086	0.05763	-0.00052	0.00985	0.001	2.968	-0.015	2	2013
2020	2020	0.91469	0.86221	0.05761	-0.00052	0.00985	0.001	2.967	-0.015	2	2014
2021	2021	0.91800	0.86526	0.05759	-0.00053	0.00984	0.001	2.967	-0.016	2	2015
2022	2022	0.91977	0.86689	0.05757	-0.00053	0.00983	0.001	2.967	-0.016	2	2016
2023	2023	0.92008	0.86718	0.05757	-0.00053	0.00983	0.001	2.967	-0.016	2	2017

TABLE A-2 (Continued)

2024	2024	0.92226	0.86919	0.05755	-0.00054	0.00982	0.002	2.966	-0.016	2	2018
2025	2025	0.92260	0.86950	0.05755	-0.00054	0.00982	0.002	2.966	-0.016	2	2019
2026	2026	0.92436	0.87112	0.05753	-0.00054	0.00982	0.002	2.966	-0.016	2	2020
2027	2027	0.92533	0.87201	0.05752	-0.00054	0.00981	0.002	2.966	-0.016	2	2021
2028	2028	0.92853	0.87495	0.05750	-0.00055	0.00980	0.002	2.965	-0.016	2	2022
2029	2029	0.92889	0.87529	0.05749	-0.00055	0.00980	0.002	2.965	-0.016	2	2023
2030	2030	0.93038	0.87666	0.05748	-0.00055	0.00980	0.002	2.965	-0.016	2	2024
2031	2031	0.93120	0.87741	0.05747	-0.00055	0.00979	0.002	2.965	-0.016	2	2025
2032	2032	0.93179	0.87795	0.05747	-0.00055	0.00979	0.002	2.965	-0.016	2	2026
2033	2033	0.93233	0.87845	0.05746	-0.00055	0.00979	0.002	2.965	-0.016	2	2027
2034	2034	0.93363	0.87964	0.05745	-0.00056	0.00978	0.002	2.965	-0.016	2	2028
2035	2035	0.93371	0.87972	0.05745	-0.00056	0.00978	0.002	2.965	-0.016	2	2029
2036	2036	0.93477	0.88069	0.05744	-0.00056	0.00978	0.002	2.964	-0.016	2	2030
2037	2037	0.93488	0.88079	0.05744	-0.00056	0.00978	0.002	2.964	-0.016	2	2031
2038	2038	0.93555	0.88141	0.05743	-0.00056	0.00978	0.002	2.964	-0.016	2	2032
2039	2039	0.93607	0.88189	0.05743	-0.00056	0.00978	0.002	2.964	-0.016	2	2033
2040	2040	0.93732	0.88304	0.05742	-0.00056	0.00977	0.002	2.964	-0.016	2	2034
2041	2041	0.93767	0.88335	0.05741	-0.00056	0.00977	0.002	2.964	-0.016	2	2035
2042	2042	0.93791	0.88358	0.05741	-0.00056	0.00977	0.002	2.964	-0.016	2	2036
2043	2043	0.94068	0.88612	0.05739	-0.00057	0.00976	0.002	2.963	-0.016	2	2037
2044	2044	0.94193	0.88727	0.05738	-0.00057	0.00976	0.002	2.963	-0.017	2	2038
2045	2045	0.94387	0.88905	0.05736	-0.00058	0.00975	0.002	2.963	-0.017	2	2039
2046	2046	0.94387	0.88905	0.05736	-0.00058	0.00975	0.002	2.963	-0.017	2	2040
2047	2047	0.94501	0.89009	0.05735	-0.00058	0.00974	0.002	2.963	-0.017	2	2041
2048	2048	0.94648	0.89145	0.05733	-0.00058	0.00974	0.002	2.963	-0.017	2	2042
2049	2049	0.94684	0.89178	0.05733	-0.00058	0.00974	0.002	2.962	-0.017	2	2043
2050	2050	0.94931	0.89404	0.05731	-0.00059	0.00973	0.002	2.962	-0.017	2	2044
2051	2051	0.95057	0.89520	0.05730	-0.00059	0.00972	0.002	2.962	-0.017	2	2045
2052	2052	0.95171	0.89624	0.05728	-0.00059	0.00972	0.002	2.962	-0.017	2	2046
2053	2053	0.95178	0.89631	0.05728	-0.00059	0.00972	0.002	2.962	-0.017	2	2047
2054	2054	0.95348	0.89786	0.05727	-0.00059	0.00971	0.002	2.961	-0.017	2	2048
2055	2055	0.95370	0.89806	0.05727	-0.00060	0.00971	0.002	2.961	-0.017	2	2049
2056	2056	0.95470	0.89898	0.05726	-0.00060	0.00971	0.002	2.961	-0.017	2	2050
2057	2057	0.95741	0.90146	0.05723	-0.00060	0.00970	0.002	2.961	-0.017	2	2051
2058	2058	0.95748	0.90152	0.05723	-0.00060	0.00970	0.002	2.961	-0.017	2	2052
2059	2059	0.95852	0.90248	0.05722	-0.00060	0.00969	0.002	2.960	-0.017	2	2053
2060	2060	0.95928	0.90318	0.05721	-0.00061	0.00969	0.002	2.960	-0.017	2	2054
2061	2061	0.95937	0.90325	0.05721	-0.00061	0.00969	0.002	2.960	-0.017	2	2055
2062	2062	0.96004	0.90387	0.05720	-0.00061	0.00969	0.002	2.960	-0.017	2	2056
2063	2063	0.96039	0.90419	0.05720	-0.00061	0.00969	0.002	2.960	-0.017	2	2057
2064	2064	0.96564	0.90899	0.05715	-0.00062	0.00966	0.002	2.959	-0.018	2	2058
2065	2065	0.96699	0.91022	0.05714	-0.00062	0.00966	0.002	2.959	-0.018	2	2059
2066	2066	0.96717	0.91039	0.05713	-0.00062	0.00966	0.002	2.959	-0.018	2	2060
2067	2067	0.96929	0.91233	0.05711	-0.00063	0.00965	0.002	2.958	-0.018	2	2061
2068	2068	0.97174	0.91457	0.05709	-0.00063	0.00964	0.002	2.958	-0.018	2	2062
2069	2069	0.98141	0.92340	0.05699	-0.00065	0.00960	0.002	2.956	-0.018	2	2063
2070	2070	0.98215	0.92407	0.05698	-0.00066	0.00960	0.002	2.956	-0.018	2	2064
2071	2071	0.98222	0.92413	0.05698	-0.00066	0.00960	0.002	2.956	-0.018	2	2065
2072	2072	0.98508	0.92674	0.05695	-0.00066	0.00958	0.002	2.955	-0.018	2	2066
2073	2073	0.98569	0.92730	0.05694	-0.00066	0.00958	0.002	2.955	-0.018	2	2067
2074	2074	0.98632	0.92786	0.05694	-0.00067	0.00958	0.002	2.955	-0.019	2	2068
2075	2075	0.98956	0.93082	0.05690	-0.00067	0.00957	0.002	2.954	-0.019	2	2069
2076	2076	0.99038	0.93156	0.05689	-0.00068	0.00956	0.002	2.954	-0.019	2	2070
2077	2077	0.99396	0.93482	0.05685	-0.00068	0.00955	0.003	2.953	-0.019	2	2071
2078	2078	0.99467	0.93547	0.05685	-0.00069	0.00954	0.003	2.953	-0.019	2	2072
2079	2079	0.99471	0.93550	0.05685	-0.00069	0.00954	0.003	2.953	-0.019	2	2073
2080	2080	0.99601	0.93669	0.05683	-0.00069	0.00954	0.003	2.953	-0.019	2	2074
2081	2081	0.99610	0.93677	0.05683	-0.00069	0.00954	0.003	2.953	-0.019	2	2075
2082	2082	0.99640	0.93704	0.05683	-0.00069	0.00954	0.003	2.953	-0.019	2	2076
2083	2083	0.99692	0.93751	0.05682	-0.00069	0.00953	0.003	2.953	-0.019	2	2077
2084	2084	0.99857	0.93902	0.05680	-0.00070	0.00953	0.003	2.952	-0.019	2	2078
2085	2085	0.99956	0.93991	0.05679	-0.00070	0.00952	0.003	2.952	-0.019	2	2079
2086	2086	1.00119	0.94139	0.05677	-0.00070	0.00951	0.003	2.952	-0.019	2	2080
2087	2087	1.00233	0.94243	0.05676	-0.00071	0.00951	0.003	2.951	-0.019	2	2081
2088	2088	1.00593	0.94569	0.05672	-0.00071	0.00949	0.003	2.950	-0.019	2	2082
2089	2089	1.00683	0.94651	0.05671	-0.00072	0.00949	0.003	2.950	-0.020	2	2083

TABLE A-2 (Continued)

2090	2090	1.00903	0.94851	0.05669	-0.00072	0.00948	0.003	2.950	-0.020	2	2084
2091	2091	1.00956	0.94899	0.05668	-0.00072	0.00948	0.003	2.949	-0.020	2	2085
2092	2092	1.01021	0.94958	0.05667	-0.00073	0.00947	0.003	2.949	-0.020	2	2086
2093	2093	1.01190	0.95112	0.05665	-0.00073	0.00946	0.003	2.949	-0.020	2	2087
2094	2094	1.01337	0.95244	0.05663	-0.00073	0.00946	0.003	2.949	-0.020	2	2088
2095	2095	1.01473	0.95367	0.05662	-0.00074	0.00945	0.003	2.948	-0.020	2	2089
2096	2096	1.01702	0.95575	0.05659	-0.00074	0.00944	0.003	2.948	-0.020	2	2090
2097	2097	1.01941	0.95792	0.05656	-0.00075	0.00943	0.003	2.947	-0.020	2	2091
2098	2098	1.02132	0.95964	0.05654	-0.00075	0.00942	0.003	2.946	-0.020	2	2092
2099	2099	1.02315	0.96129	0.05652	-0.00076	0.00941	0.003	2.946	-0.020	2	2093
2100	2100	1.02652	0.96434	0.05648	-0.00077	0.00939	0.003	2.945	-0.021	2	2094
2101	2101	1.03344	0.97059	0.05639	-0.00079	0.00936	0.003	2.943	-0.021	2	2095
2102	2102	1.03608	0.97297	0.05636	-0.00080	0.00934	0.004	2.942	-0.021	2	2096
2103	2103	1.03664	0.97348	0.05635	-0.00080	0.00934	0.004	2.942	-0.021	2	2097
2104	2104	1.03674	0.97357	0.05635	-0.00080	0.00934	0.004	2.942	-0.021	2	2098
2105	2105	1.03720	0.97398	0.05634	-0.00080	0.00934	0.004	2.942	-0.021	2	2099
2106	2106	1.03861	0.97525	0.05632	-0.00080	0.00933	0.004	2.942	-0.021	2	2100
2107	2107	1.04035	0.97682	0.05630	-0.00081	0.00932	0.004	2.941	-0.021	2	2101
2108	2108	1.04044	0.97690	0.05630	-0.00081	0.00932	0.004	2.941	-0.021	2	2102
2109	2109	1.04412	0.98022	0.05625	-0.00082	0.00930	0.004	2.940	-0.022	2	2103
2110	2110	1.04622	0.98211	0.05623	-0.00083	0.00929	0.004	2.939	-0.022	2	2104
2111	2111	1.04718	0.98297	0.05621	-0.00083	0.00929	0.004	2.939	-0.022	2	2105
2112	2112	1.04742	0.98318	0.05621	-0.00083	0.00928	0.004	2.939	-0.022	2	2106
2113	2113	1.04791	0.98362	0.05620	-0.00083	0.00928	0.004	2.939	-0.022	2	2107
2114	2114	1.04936	0.98493	0.05618	-0.00084	0.00927	0.004	2.938	-0.022	2	2108
2115	2115	1.05074	0.98617	0.05616	-0.00084	0.00927	0.004	2.938	-0.022	2	2109
2116	2116	1.05097	0.98637	0.05616	-0.00084	0.00927	0.004	2.938	-0.022	2	2110
2117	2117	1.05158	0.98692	0.05615	-0.00084	0.00926	0.004	2.937	-0.022	2	2111
2118	2118	1.05249	0.98774	0.05614	-0.00085	0.00926	0.004	2.937	-0.022	2	2112
2119	2119	1.05371	0.98884	0.05612	-0.00085	0.00925	0.004	2.937	-0.022	2	2113
2120	2120	1.05711	0.99189	0.05608	-0.00086	0.00923	0.004	2.936	-0.022	2	2114
2121	2121	1.06461	0.99861	0.05597	-0.00089	0.00919	0.004	2.933	-0.023	2	2115
2122	2122	1.06527	0.99920	0.05596	-0.00089	0.00918	0.005	2.933	-0.023	2	2116
2123	2123	1.06717	1.00090	0.05594	-0.00089	0.00917	0.005	2.932	-0.023	2	2117
2124	2124	1.07486	1.00779	0.05582	-0.00092	0.00913	0.005	2.929	-0.023	2	2118
2125	2125	1.07598	1.00878	0.05581	-0.00093	0.00912	0.005	2.929	-0.024	2	2119
2126	2126	1.07600	1.00880	0.05581	-0.00093	0.00912	0.005	2.929	-0.024	2	2120
2127	2127	1.07804	1.01063	0.05578	-0.00093	0.00911	0.005	2.928	-0.024	2	2121
2128	2128	1.07850	1.01103	0.05577	-0.00093	0.00911	0.005	2.928	-0.024	2	2122
2129	2129	1.08024	1.01258	0.05574	-0.00094	0.00910	0.005	2.927	-0.024	2	2123
2130	2130	1.08097	1.01324	0.05573	-0.00094	0.00909	0.005	2.927	-0.024	2	2124
2131	2131	1.08109	1.01334	0.05573	-0.00094	0.00909	0.005	2.927	-0.024	2	2125
2132	2132	1.08185	1.01402	0.05572	-0.00095	0.00909	0.005	2.926	-0.024	2	2126
2133	2133	1.08289	1.01494	0.05570	-0.00095	0.00908	0.005	2.926	-0.024	2	2127
2134	2134	1.08351	1.01549	0.05570	-0.00095	0.00908	0.005	2.926	-0.024	2	2128
2135	2135	1.08449	1.01637	0.05568	-0.00096	0.00907	0.005	2.925	-0.024	2	2129
2136	2136	1.08467	1.01653	0.05568	-0.00096	0.00907	0.005	2.925	-0.024	2	2130
2137	2137	1.08506	1.01688	0.05567	-0.00096	0.00907	0.005	2.925	-0.024	2	2131
2138	2138	1.08631	1.01799	0.05565	-0.00096	0.00906	0.005	2.924	-0.024	2	2132
2139	2139	1.09074	1.02193	0.05558	-0.00098	0.00903	0.006	2.923	-0.024	2	2133
2140	2140	1.09511	1.02582	0.05551	-0.00100	0.00900	0.006	2.921	-0.025	2	2134
2141	2141	1.09771	1.02813	0.05547	-0.00101	0.00898	0.006	2.919	-0.025	2	2135
2142	2142	1.10018	1.03032	0.05543	-0.00102	0.00897	0.006	2.918	-0.025	1	2136
2143	2143	1.10568	1.03519	0.05534	-0.00104	0.00893	0.006	2.916	-0.026	1	2137
2144	2144	1.10777	1.03705	0.05531	-0.00105	0.00892	0.006	2.915	-0.026	1	2138
2145	2145	1.10787	1.03713	0.05531	-0.00105	0.00892	0.007	2.915	-0.026	1	2139
2146	2146	1.10899	1.03812	0.05529	-0.00105	0.00891	0.007	2.914	-0.026	1	2140
2147	2147	1.11149	1.04033	0.05524	-0.00106	0.00889	0.007	2.913	-0.026	1	2141
2148	2148	1.11223	1.04098	0.05523	-0.00107	0.00888	0.007	2.912	-0.026	1	2142
2149	2149	1.11374	1.04232	0.05521	-0.00107	0.00887	0.007	2.912	-0.026	1	2143
2150	2150	1.11402	1.04257	0.05520	-0.00107	0.00887	0.007	2.912	-0.026	1	2144
2151	2151	1.11662	1.04486	0.05516	-0.00109	0.00885	0.007	2.910	-0.026	1	2145
2152	2152	1.11886	1.04684	0.05512	-0.00110	0.00884	0.007	2.909	-0.026	1	2146
2153	2153	1.11932	1.04724	0.05511	-0.00110	0.00883	0.007	2.909	-0.027	1	2147
2154	2154	1.12535	1.05256	0.05500	-0.00113	0.00879	0.008	2.905	-0.027	1	2148
2155	2155	1.12793	1.05483	0.05495	-0.00114	0.00877	0.008	2.904	-0.027	1	2149

TABLE A-2 (Continued)

2156	2156	1.13013	1.05676	0.05491	-0.00115	0.00875	0.008	2.903	-0.027	1	2150
2157	2157	1.13084	1.05739	0.05490	-0.00115	0.00875	0.008	2.902	-0.027	1	2151
2158	2158	1.13206	1.05845	0.05488	-0.00116	0.00874	0.008	2.902	-0.028	1	2152
2159	2159	1.13494	1.06098	0.05483	-0.00117	0.00872	0.008	2.900	-0.028	1	2153
2160	2160	1.13550	1.06147	0.05482	-0.00117	0.00871	0.008	2.900	-0.028	1	2154
2161	2161	1.13565	1.06161	0.05481	-0.00117	0.00871	0.008	2.899	-0.028	1	2155
2162	2162	1.13964	1.06510	0.05474	-0.00119	0.00868	0.009	2.897	-C.028	1	2156
2163	2163	1.14059	1.06593	0.05472	-0.00120	0.00867	0.009	2.896	-0.028	1	2157
2164	2164	1.14088	1.06619	0.05471	-0.00120	0.00867	0.009	2.896	-0.028	1	2158
2165	2165	1.14224	1.06738	0.05469	-0.00121	0.00866	0.009	2.895	-0.028	1	2159
2166	2166	1.14310	1.06814	0.05467	-0.00121	0.00865	0.009	2.895	-0.028	1	2160
2167	2167	1.14379	1.06873	0.05466	-0.00121	0.00865	0.009	2.894	-0.028	1	2161
2168	2168	1.14499	1.06979	0.05463	-0.00122	0.00864	0.009	2.894	-0.029	1	2162
2169	2169	1.14724	1.07175	0.05459	-0.00123	0.00862	0.009	2.892	-0.029	1	2163
2170	2170	1.14769	1.07215	0.05458	-0.00123	0.00861	0.009	2.892	-0.029	1	2164
2171	2171	1.14774	1.07218	0.05458	-0.00123	0.00861	0.009	2.892	-0.029	1	2165
2172	2172	1.14897	1.07326	0.05456	-0.00124	0.00860	0.009	2.891	-0.029	1	2166
2173	2173	1.14917	1.07344	0.05455	-0.00124	0.00860	0.009	2.891	-0.029	1	2167
2174	2174	1.14972	1.07392	0.05454	-0.00124	0.00860	0.010	2.890	-0.029	1	2168
2175	2175	1.15260	1.07642	0.05448	-0.00126	0.00857	0.010	2.888	-0.029	1	2169
2176	2176	1.15333	1.07706	0.05447	-0.00126	0.00857	0.010	2.888	-0.029	1	2170
2177	2177	1.15449	1.07807	0.05444	-0.00127	0.00856	0.010	2.887	-0.029	1	2171
2178	2178	1.15937	1.08232	0.05434	-0.00130	0.00852	0.010	2.884	-0.030	1	2172
2179	2179	1.16094	1.08369	0.05431	-0.00130	0.00850	0.011	2.882	-0.030	1	2173
2180	2180	1.16285	1.08534	0.05427	-0.00132	0.00849	0.011	2.881	-0.030	1	2174
2181	2181	1.16771	1.08956	0.05417	-0.00134	0.00844	0.011	2.877	-0.031	1	2175
2182	2182	1.17050	1.09198	0.05411	-0.00136	0.00842	0.012	2.875	-0.031	1	2176
2183	2183	1.17060	1.09206	0.05411	-0.00136	0.00842	0.012	2.875	-0.031	1	2177
2184	2184	1.17132	1.09269	0.05409	-0.00136	0.00841	0.012	2.874	-0.031	1	2178
2185	2185	1.17393	1.09494	0.05403	-0.00138	0.00839	0.012	2.872	-0.031	1	2179
2186	2186	1.17460	1.09552	0.05402	-0.00138	0.00838	0.012	2.872	-0.031	1	2180
2187	2187	1.18024	1.10040	0.05389	-0.00142	0.00833	0.013	2.867	-0.032	1	2181
2188	2188	1.18448	1.10404	0.05379	-0.00144	0.00829	0.013	2.863	-0.032	1	2182
2189	2189	1.18578	1.10516	0.05376	-0.00145	0.00827	0.014	2.862	-0.032	1	2183
2190	2190	1.18906	1.10798	0.05369	-0.00147	0.00824	0.014	2.859	-0.033	1	2184
2191	2191	1.18986	1.10867	0.05367	-0.00148	0.00823	0.014	2.858	-0.033	1	2185
2192	2192	1.19341	1.11172	0.05358	-0.00150	0.00820	0.015	2.855	-0.033	1	2186
2193	2193	1.19356	1.11185	0.05358	-0.00150	0.00820	0.015	2.855	-0.033	1	2187
2194	2194	1.19611	1.11403	0.05352	-0.00152	0.00817	0.015	2.852	-0.033	1	2188
2195	2195	1.19637	1.11425	0.05351	-0.00152	0.00817	0.015	2.852	-0.033	1	2189
2196	2196	1.19833	1.11593	0.05346	-0.00154	0.00815	0.015	2.850	-0.034	1	2190
2197	2197	1.19844	1.11602	0.05346	-0.00154	0.00815	0.015	2.850	-0.034	1	2191
2198	2198	1.19951	1.11694	0.05344	-0.00154	0.00813	0.016	2.849	-0.034	1	2192
2199	2199	1.20519	1.12179	0.05329	-0.00158	0.00807	0.017	2.843	-0.034	1	2193
2200	2200	1.20574	1.12226	0.05328	-0.00159	0.00807	0.017	2.842	-0.034	1	2194
2201	2201	1.20906	1.12509	0.05319	-0.00161	0.00803	0.017	2.838	-0.035	1	2195
2202	2202	1.21130	1.12700	0.05314	-0.00163	0.00801	0.018	2.836	-0.035	1	2196
2203	2203	1.21519	1.13030	0.05303	-0.00166	0.00796	0.018	2.831	-0.035	1	2197
2204	2204	1.21600	1.13098	0.05301	-0.00166	0.00795	0.019	2.830	-0.035	1	2198
2205	2205	1.22015	1.13450	0.05290	-0.00170	0.00791	0.019	2.825	-0.036	1	2199
2206	2206	1.22058	1.13486	0.05289	-0.00170	0.00790	0.020	2.825	-0.036	1	2200
2207	2207	1.22595	1.13941	0.05274	-0.00174	0.00784	0.021	2.818	-0.037	1	2201
2208	2208	1.23022	1.14300	0.05262	-0.00178	0.00779	0.022	2.812	-0.037	1	2202
2209	2209	1.23246	1.14489	0.05256	-0.00180	0.00776	0.022	2.809	-0.037	1	2203
2210	2210	1.23277	1.14514	0.05255	-0.00180	0.00776	0.022	2.809	-0.037	1	2204
2211	2211	1.23714	1.14882	0.05242	-0.00184	0.00770	0.023	2.803	-0.038	1	2205
2212	2212	1.24015	1.15134	0.05233	-0.00186	0.00766	0.024	2.798	-0.038	1	2206
2213	2213	1.24029	1.15145	0.05233	-0.00186	0.00766	0.024	2.798	-0.038	1	2207
2214	2214	1.24441	1.15490	0.05220	-0.00190	0.00761	0.025	2.792	-0.039	1	2208
2215	2215	1.24575	1.15602	0.05216	-0.00191	0.00759	0.026	2.790	-0.039	1	2209
2216	2216	1.24610	1.15631	0.05215	-0.00192	0.00759	0.026	2.789	-0.039	1	2210
2217	2217	1.24984	1.15943	0.05204	-0.00195	0.00754	0.027	2.783	-0.040	1	2211
2218	2218	1.24992	1.15950	0.05203	-0.00195	0.00754	0.027	2.783	-0.040	1	2212
2219	2219	1.25086	1.16028	0.05201	-0.00196	0.00752	0.027	2.781	-0.040	1	2213
2220	2220	1.25108	1.16046	0.05200	-0.00196	0.00752	0.027	2.781	-0.040	1	2214
2221	2221	1.25420	1.16306	0.05190	-0.00199	0.00748	0.028	2.776	-0.040	1	2215

TABLE A-2 (Continued)

2222	2222	1.26149	1.16969	0.05166	-0.00206	0.00737	0.031	2.763	-0.041	1	2216
2223	2223	1.26288	1.17024	0.05162	-0.00208	0.00735	0.031	2.760	-0.041	1	2217
2224	2224	1.26304	1.17037	0.05161	-0.00208	0.00735	0.031	2.760	-0.041	1	2218
2225	2225	1.26553	1.17243	0.05153	-0.00210	0.00732	0.032	[illegible]	-0.042	1	2219
2226	2226	1.26565	1.17253	0.05152	-0.00211	0.00731	0.032	2.755	-0.042	1	2220
2227	2227	1.26653	1.17326	0.05149	-0.00212	0.00730	0.033	2.753	-0.042	1	2221
2228	2228	1.26895	1.17524	0.05141	-0.00214	0.00727	0.034	2.749	-0.042	1	2222
2229	2229	1.26958	1.17576	0.05139	-0.00215	0.00726	0.034	2.747	-0.042	1	2223
2230	2230	1.27130	1.17718	0.05133	-0.00217	0.00723	0.035	2.744	-0.043	1	2224
2231	2231	1.27134	1.17721	0.05133	-0.00217	0.00723	0.035	2.744	-0.043	1	2225
2232	2232	1.27334	1.17885	0.05126	-0.00219	0.00720	0.036	2.740	-0.043	1	2226
2233	2233	1.28484	1.18825	0.05085	-0.00232	0.00702	0.041	2.715	-0.045	1	2227
2234	2234	1.28575	1.18899	0.05081	-0.00233	0.00700	0.041	2.712	-0.045	1	2228
2235	2235	1.28815	1.19094	0.05072	-0.00236	0.00696	0.043	2.707	-0.045	1	2229
2236	2236	1.29088	1.19315	0.05062	-0.00239	0.00692	0.044	2.700	-0.046	1	2230
2237	2237	1.29260	1.19454	0.05055	-0.00241	0.00689	0.045	2.696	-0.046	1	2231
2238	2238	1.29424	1.19587	0.05049	-0.00243	0.00686	0.046	2.691	-0.046	1	2232
2239	2239	1.29586	1.19718	0.05043	-0.00245	0.00683	0.047	2.687	-0.047	1	2233
2240	2240	1.29707	1.19815	0.05038	-0.00247	0.00681	0.048	2.684	-0.047	1	2234
2241	2241	1.29845	1.19926	0.05032	-0.00249	0.00679	0.049	2.680	-0.047	1	2235
2242	2242	1.30149	1.20171	0.05020	-0.00253	0.00673	0.050	2.672	-0.048	1	2236
2243	2243	1.30213	1.20222	0.05018	-0.00254	0.00672	0.051	2.670	-0.048	1	2237
2244	2244	1.30411	1.20381	0.05009	-0.00256	0.00669	0.052	2.664	-0.048	1	2238
2245	2245	1.30502	1.20454	0.05006	-0.00257	0.00667	0.053	2.662	-0.048	1	2239
2246	2246	1.30507	1.20458	0.05006	-0.00257	0.00667	0.053	2.662	-0.048	1	2240
2247	2247	1.30793	1.20687	0.04994	-0.00261	0.00662	0.055	2.653	-0.049	1	2241
2248	2248	1.30872	1.20750	0.04990	-0.00263	0.00660	0.055	2.651	-0.049	1	2242
2249	2249	1.30879	1.20755	0.04990	-0.00263	0.00660	0.056	2.651	-0.049	1	2243
2250	2250	1.31466	1.21222	0.04965	-0.00271	0.00649	0.060	2.632	-0.050	1	2244
2251	2251	1.31797	1.21485	0.04950	-0.00276	0.00642	0.063	2.621	-0.051	1	2245
2252	2252	1.31869	1.21542	0.04947	-0.00277	0.00641	0.063	2.619	-0.051	1	2246
2253	2253	1.32349	1.21921	0.04926	-0.00284	0.00631	0.068	2.602	-0.052	1	2247
2254	2254	1.32826	1.22297	0.04904	-0.00292	0.00621	0.072	2.584	-0.053	1	2248
2255	2255	1.32972	1.22411	0.04897	-0.00294	0.00618	0.074	2.579	-0.053	1	2249
2256	2256	1.32997	1.22431	0.04896	-0.00294	0.00618	0.074	2.578	-0.053	1	2250
2257	2257	1.33030	1.22457	0.04894	-0.00295	0.00617	0.074	2.576	-0.053	1	2251
2258	2258	1.33306	1.22672	0.04881	-0.00299	0.00611	0.077	2.566	-0.054	1	2252
2259	2259	1.33503	1.22826	0.04872	-0.00303	0.00607	0.079	2.557	-0.055	1	2253
2260	2260	1.33612	1.22911	0.04866	-0.00305	0.00605	0.081	2.553	-0.055	1	2254
2261	2261	1.34002	1.23214	0.04847	-0.00311	0.00596	0.085	2.536	-0.056	1	2255
2262	2262	1.34033	1.23238	0.04846	-0.00312	0.00595	0.085	2.535	-0.056	1	2256
2263	2263	1.34850	1.23869	0.04804	-0.00327	0.00576	0.096	2.497	-0.058	1	2257
2264	2264	1.34883	1.23894	0.04802	-0.00327	0.00575	0.097	2.495	-0.058	1	2258
2265	2265	1.35317	1.24227	0.04779	-0.00335	0.00565	0.103	2.473	-0.059	1	2259
2266	2266	1.35401	1.24291	0.04775	-0.00337	0.00563	0.104	2.469	-0.059	1	2260
2267	2267	1.36025	1.24766	0.04740	-0.00349	0.00547	0.115	2.435	-0.061	1	2261
2268	2268	1.36264	1.24947	0.04727	-0.00354	0.00541	0.119	2.421	-0.062	1	2262
2269	2269	1.36362	1.25021	0.04721	-0.00356	0.00538	0.121	2.415	-0.062	1	2263
2270	2270	1.37245	1.25685	0.04670	-0.00375	0.00514	0.138	2.360	-0.065	1	2264
2271	2271	1.37544	1.25908	0.04651	-0.00382	0.00506	0.145	2.339	-0.066	1	2265
2272	2272	1.39356	1.27239	0.04534	-0.00427	0.00451	0.195	2.195	-0.073	1	2266
2273	2273	1.39494	1.27339	0.04525	-0.00430	0.00447	0.200	2.182	-0.074	1	2267
2274	2274	1.40041	1.27734	0.04487	-0.00445	0.00429	0.220	2.129	-0.077	1	2268
2275	2275	1.40367	1.27967	0.04463	-0.00455	0.00417	0.233	2.096	-0.078	1	2269
2276	2276	1.40689	1.28197	0.04439	-0.00464	0.00406	0.246	2.061	-0.080	1	2270
2277	2277	1.40841	1.28304	0.04428	-0.00469	0.00401	0.253	2.044	-0.081	1	2271
2278	2278	1.40911	1.28354	0.04423	-0.00471	0.00398	0.256	2.036	-0.082	1	2272
2279	2279	1.41863	1.29022	0.04349	-0.00501	0.00363	0.305	1.918	-0.089	1	2273
2280	2280	1.41901	1.29049	0.04346	-0.00502	0.00361	0.307	1.912	-0.089	1	2274
2281	2281	1.42156	1.29225	0.04325	-0.00510	0.00351	0.322	1.877	-0.091	1	2275
2282	2282	1.43001	1.29805	0.04254	-0.00540	0.00317	0.379	1.750	-0.100	1	2276
2283	2283	1.43628	1.30229	0.04199	-0.00563	0.00290	0.429	1.642	-0.109	1	2277
2284	2284	1.45565	1.31502	0.04012	-0.00644	0.00197	0.643	1.221	-0.177	1	2278
2285	2285	1.46787	1.32274	0.03880	-0.00704	0.00130	0.848	0.862	-0.513	1	2279
2286	2286	1.47353	1.32623	0.03815	-0.00734	0.00096	0.970	0.662	1.651	6	2280
2287	2287	1.47474	1.32697	0.03801	-0.00740	0.00089	0.998	0.616	0.792	4	2281

TABLE A-2 (Continued)

2288	2288	1.47653	1.32805	0.03780	-0.00750	0.00078	1.043	0.546	0.432	4	2282
2289	2289	1.47679	1.32821	0.03777	-0.00752	0.00076	1.049	0.536	0.404	4	2283
2290	2290	1.47979	1.33001	0.03740	-0.00769	0.00057	1.130	0.411	0.220	4	2284
2291	2291	1.49810	1.34062	0.03498	-0.00886	-0.00070	1.832	*********	*******	9	2285
2292	2292	1.50517	1.34452	0.03395	-0.00937	-0.00125	2.243	*********	*******	9	2286
2293	2293	1.51168	1.34801	0.03295	-0.00988	-0.00180	2.728	*********	*******	9	2287
2294	2294	1.51383	1.34913	0.03261	-0.01005	-0.00199	2.916	*********	*******	9	2288
2295	2295	1.51678	1.35066	0.03213	-0.01030	-0.00225	3.201	*********	*******	9	2289
2296	2296	1.51835	1.35146	0.03187	-0.01044	-0.00239	3.367	*********	*******	9	2290
2297	2297	1.52678	1.35567	0.03041	-0.01121	-0.00321	4.468	*********	*******	9	2291
2298	2298	1.52799	1.35625	0.03019	-0.01132	-0.00333	4.661	*********	*******	9	2292
2299	2299	1.53155	1.35795	0.02953	-0.01168	-0.00370	5.292	*********	*******	9	2293
2300	2300	1.53322	1.35874	0.02922	-0.01185	-0.00388	5.625	*********	*******	9	22[illegible]
2301	2301	1.53368	1.35895	0.02913	-0.01189	-0.00393	5.722	*********	*******	9	2295
2302	2302	1.55948	1.36988	0.02361	-0.01502	-0.00716	17.140	*********	*******	9	2296
2303	2303	1.56601	1.37227	0.02199	-0.01598	-0.00814	24.015	*********	*******	9	2297
2304	2304	1.56782	1.37290	0.02152	-0.01627	-0.00843	26.532	*********	*******	9	2298
2305	2305	1.56960	1.37350	0.02106	-0.01655	-0.00872	29.325	*********	*******	9	2299
2306	2306	1.58143	1.37718	0.01774	-0.01861	-0.01080	62.042	*********	*******	9	2300
2307	2307	1.58491	1.37814	0.01668	-0.01928	-0.01148	80.052	*********	*******	9	2301
2308	2308	1.59344	1.38023	0.01393	-0.02106	-0.01327	163.971	*********	*******	9	2302
2309	2309	1.59621	1.38083	0.01299	-0.02168	-0.01390	214.756	*********	*******	9	2303
2310	2310	1.59895	1.38138	0.01202	-0.02233	-0.01455	287.263	*********	*******	9	2304
2311	2311	1.60002	1.38158	0.01164	-0.02259	-0.01481	323.897	*********	*******	9	2305
2312	2312	1.60164	1.38187	0.01104	-0.02299	-0.01521	392.280	*********	*******	9	2306
2313	2313	1.60327	1.38215	0.01044	-0.02340	-0.01562	480.874	*********	*******	9	2307
2314	2314	1.61534	1.38371	0.00560	-0.02677	-0.01898	4069.384	*********	*******	9	2308
2315	2315	1.62482	1.38424	0.00131	-0.02988	-0.02209	*********	*********	*******	9	2309
2316	2316	1.63503	1.38404	-0.00388	-0.03380	-0.02599	*********	*********	*******	9	2310
2317	2317	1.64174	1.38343	-0.00766	-0.03676	-0.02893	*********	*********	*******	9	2311
2318	2318	1.64422	1.38309	-0.00914	-0.03794	-0.03011	*********	*********	*******	9	2312
2319	2319	1.67286	1.37436	-0.03033	-0.05610	-0.04838	*********	*********	*******	9	2313
2320	2320	1.67535	1.37311	-0.03261	-0.05819	-0.05051	*********	*********	*******	9	2314
2321	2321	1.68121	1.36979	-0.03830	-0.06352	-0.05596	*********	*********	*******	9	2315
2322	2322	1.69532	1.35939	-0.05435	-0.07937	-0.07236	*********	*********	*******	9	2316
2323	2323	1.69645	1.35840	-0.05580	-0.08085	-0.07392	*********	*********	*******	9	2317
2324	2324	1.69890	1.35615	-0.05904	-0.08421	-0.07744	*********	*********	*******	9	2318
2325	2325	1.70592	1.34897	-0.06907	-0.09490	-0.08877	*********	*********	*******	9	2319
2326	2326	1.71155	1.34234	-0.07807	-0.10483	-0.09943	*********	*********	*******	9	2320
2327	2327	1.71392	1.33932	-0.08211	-0.10941	-0.10438	*********	*********	*******	9	2321
2328	2328	1.71639	1.33598	-0.08654	-0.11450	-0.10993	*********	*********	*******	9	2322
2329	2329	1.72077	1.32963	-0.09491	-0.12430	-0.12070	*********	*********	*******	9	2323
2330	2330	1.72296	1.32623	-0.09935	-0.12962	-0.12659	*********	*********	*******	9	2324
2331	2331	1.72495	1.32300	-0.10356	-0.13472	-0.13229	*********	*********	*******	9	2325
2332	2332	1.72572	1.32172	-0.10522	-0.13676	-0.13457	*********	*********	*******	9	2326
2333	2333	1.73001	1.31416	-0.11503	-0.14896	-0.14834	*********	*********	*******	9	2327
2334	2334	1.74716	1.27626	-0.16425	-0.21523	-0.22621	*********	*********	*******	9	2328
2335	2335	1.75076	1.26641	-0.17720	-0.23397	-0.24911	*********	*********	*******	9	2329
2336	2336	1.75726	1.24666	-0.20350	-0.27362	-0.29873	*********	*********	*******	9	2330
2337	2337	1.76089	1.23437	-0.22013	-0.29971	-0.33223	*********	*********	*******	9	2331
2338	2338	1.76831	1.20597	-0.25940	-0.36443	-0.41796	*********	*********	*******	9	2332
2339	2339	1.77441	1.17884	-0.29812	-0.43222	-0.51152	*********	*********	*******	9	2333
2340	2340	1.77968	1.15207	-0.33756	-0.50515	-0.61610	*********	*********	*******	9	2334
2341	2341	1.79228	1.07226	-0.46278	-0.76034	-1.00994	*********	*********	*******	9	2335
2342	2342	1.80687	0.93926	-0.69819	-1.32562	-2.00502	*********	*********	*******	9	2336
2343	2343	1.83615	0.36629	-2.11044	-6.40406	-14.95545	*********	*********	*******	9	2337
2344	2344	1.83615	0.36629	-2.11044	-6.40406	-14.95545	*********	*********	*******	9	2338
2345	2345	1.86337	-2.24830	-16.87545	-139.41278	-866.92400	*********	*********	*******	9	2339
2346	2346	1.86508	-2.77098	-21.46668	-199.78209	-1398.45342	*********	*********	*******	9	2340
2347	2347	1.87168	-7.21966	-82.65928	-1504.72095	-20559.20614	*********	*********	*******	9	2341
2348	2348	1.8807	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
2349	2349	1.8829	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	

TABLE A-2 (Continued)

2350	2350	1.8937	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10
2351	2351	1.8993	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10
2352	2352	1.9130	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10
2353	2353	1.9275	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10
2354	2354	1.9421	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10
2355	2355	1.9537	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10
2356	2356	1.9537	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE	10

TYPE 1-7 : Pearson's Types
8 : Normal Distribution
9 : Undefined Due to Negative Even Moment(s)
10 : Undefined Due to Negative P.D.F.

TABLE A-3

Estimated Conditional Mean And the Second, Third And Fourth Conditional Moments About the Mean, Coefficients β_1 And β_2, And Pearson's Criterion κ for Each of the 2,356 $\hat{\tau}_s$'s. Degree 4 Case.

SUBJECT ID2 (ISBM)	ID1 (ISBJ)	MLE (TAU)	MEAN	MOMENTS ABOUT MEAN 2	3	4	BETA1	BETA2	CRITERION	TYPE	ID3
1	1	-1.9174	GRADUATED P.C.F. ASSUMES A NEGATIVE VALUE							10	
2	2	-1.8475	GRADUATED P.C.F. ASSUMES A NEGATIVE VALUE							10	
3	3	-1.8463	GRADUATED P.C.F. ASSUMES A NEGATIVE VALUE							10	
4	4	-1.8426	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
5	5	-1.8244	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
6	6	-1.8061	GRADUATED P.D.F. ASSUMES A NEGATIVE VALUE							10	
7	7	-1.72717	-0.63056	-1.10365	2.50828	-4.45961	*********	*********	*******	9	1
8	8	-1.72593	-0.65192	-1.05554	2.35427	-4.11385	*********	*********	*******	9	2
9	9	-1.71733	-0.77773	-0.79057	1.56713	-2.45838	*********	*********	*******	9	3
10	10	-1.70633	-0.89601	-0.56978	0.99819	-1.40065	*********	*********	*******	9	4
11	11	-1.70102	-0.94103	-0.49285	0.82089	-1.10078	*********	*********	*******	9	5
12	12	-1.69602	-0.97799	-0.43258	0.69030	-0.89065	*********	*********	*******	9	6
13	13	-1.67434	-1.09464	-0.25880	0.35928	-0.40675	*********	*********	*******	9	7
14	14	-1.65466	-1.16101	-0.16997	0.22007	-0.22931	*********	*********	*******	9	8
15	15	-1.65274	-1.16613	-0.16336	0.21064	-0.21800	*********	*********	*******	9	9
16	16	-1.64414	-1.18674	-0.13696	0.17442	-0.17544	*********	*********	*******	9	10
17	17	-1.62873	-1.21572	-0.10011	0.12784	-0.12299	*********	*********	*******	9	11
18	18	-1.61502	-1.23485	-0.07536	0.09940	-0.09234	*********	*********	*******	9	12
19	19	-1.60356	-1.24710	-0.05882	0.08176	-0.07389	*********	*********	*******	9	13
20	20	-1.59376	-1.25537	-0.04697	0.06986	-0.06168	*********	*********	*******	9	14
21	21	-1.59294	-1.25598	-0.04605	0.06897	-0.06077	*********	*********	*******	9	15
22	22	-1.58287	-1.26255	-0.03576	0.05920	-0.05090	*********	*********	*******	9	16
23	23	-1.57107	-1.26831	-0.02548	0.04995	-0.04168	*********	*********	*******	9	17
24	24	-1.56899	-1.26913	-0.02385	0.04853	-0.04027	*********	*********	*******	9	18
25	25	-1.55340	-1.27367	-0.01293	0.03941	-0.03127	*********	*********	*******	9	19
26	26	-1.55090	-1.27415	-0.01138	0.03816	-0.03005	*********	*********	*******	9	20
27	27	-1.54361	-1.27523	-0.00713	0.03482	-0.02678	*********	*********	*******	9	21
28	28	-1.54034	-1.27556	-0.00534	0.03345	-0.02544	*********	*********	*******	9	22
29	29	-1.53166	-1.27599	-0.00093	0.03014	-0.02220	*********	*********	*******	9	23
30	30	-1.52816	-1.27599	0.00072	0.02893	-0.02102	*********	*********	*******	9	24
31	31	-1.52194	-1.27578	0.00350	0.02694	-0.01907	16909.965	*********	*******	9	25
32	32	-1.50638	-1.27412	0.00966	0.02269	-0.01491	571.663	*********	*******	9	26
33	33	-1.50427	-1.27378	0.01041	0.02219	-0.01441	436.043	*********	*******	9	27
34	34	-1.50060	-1.27313	0.01169	0.02134	-0.01358	284.914	*********	*******	9	28
35	35	-1.49593	-1.27220	0.01325	0.02033	-0.01259	177.833	*********	*******	9	29
36	36	-1.49350	-1.27167	0.01403	0.01983	-0.01209	142.430	*********	*******	9	30
37	37	-1.48634	-1.26994	0.01622	0.01845	-0.01072	79.745	*********	*******	9	31
38	38	-1.48430	-1.26940	0.01682	0.01808	-0.01035	68.720	*********	*******	9	32
39	39	-1.48274	-1.26897	0.01726	0.01780	-0.01008	61.584	*********	*******	9	33
40	40	-1.47656	-1.26718	0.01897	0.01676	-0.00904	41.127	*********	*******	9	34
41	41	-1.47410	-1.26642	0.01962	0.01636	-0.00865	35.444	*********	*******	9	35
42	42	-1.46659	-1.26395	0.02152	0.01524	-0.00752	23.305	*********	*******	9	36
43	43	-1.45652	-1.26029	0.02386	0.01389	-0.00616	14.197	*********	*******	9	37

TABLE A-3 (Continued)

110	110	-1.20373	-1.09928	0.04887	0.00255	0.00635	0.056	2.659	-0.050	1	104
111	111	-1.19549	-1.09281	0.04920	0.00245	0.00649	0.050	2.682	-0.049	1	105
112	112	-1.19227	-1.09028	0.04932	0.00241	0.00655	0.048	2.691	-0.048	1	106
113	113	-1.19022	-1.08866	0.04940	0.00238	0.00658	0.047	2.696	-0.048	1	107
114	114	-1.18918	-1.08784	0.04944	0.00237	0.00660	0.046	2.698	-0.048	1	108
115	115	-1.18780	-1.08675	0.04949	0.00235	0.00662	0.046	2.702	-0.047	1	109
116	116	-1.18759	-1.08658	0.04950	0.00235	0.00662	0.046	2.702	-0.047	1	110
117	117	-1.18662	-1.08581	0.04954	0.00234	0.00664	0.045	2.704	-0.047	1	111
118	118	-1.18444	-1.08408	0.04962	0.00232	0.00667	0.044	2.710	-0.047	1	112
119	119	-1.18379	-1.08357	0.04964	0.00231	0.00668	0.044	2.711	-0.047	1	113
120	120	-1.18033	-1.08082	0.04977	0.00227	0.00673	0.042	2.719	-0.046	1	114
121	121	-1.17432	-1.07602	0.04998	0.00220	0.00683	0.039	2.732	-0.045	1	115
122	122	-1.17320	-1.07512	0.05002	0.00219	0.00684	0.038	2.735	-0.045	1	116
123	123	-1.17311	-1.07505	0.05003	0.00219	0.00684	0.038	2.735	-0.045	1	117
124	124	-1.17295	-1.07492	0.05003	0.00219	0.00685	0.038	2.735	-0.045	1	118
125	125	-1.17032	-1.07281	0.05012	0.00216	0.00688	0.037	2.740	-0.045	1	119
126	126	-1.16882	-1.07161	0.05017	0.00215	0.00691	0.036	2.743	-0.044	1	120
127	127	-1.16824	-1.07115	0.05019	0.00214	0.00691	0.036	2.745	-0.044	1	121
128	128	-1.16677	-1.06997	0.05024	0.00212	0.00694	0.036	2.747	-0.044	1	122
129	129	-1.16614	-1.06945	0.05027	0.00212	0.00695	0.035	2.749	-0.044	1	123
130	130	-1.16234	-1.06639	0.05039	0.00208	0.00700	0.034	2.756	-0.043	1	124
131	131	-1.16181	-1.06597	0.05041	0.00207	0.00701	0.034	2.757	-0.043	1	125
132	132	-1.15973	-1.06429	0.05048	0.00205	0.00704	0.033	2.761	-0.043	1	126
133	133	-1.15954	-1.06413	0.05049	0.00205	0.00704	0.033	2.761	-0.043	1	127
134	134	-1.15850	-1.06330	0.05052	0.00204	0.00705	0.032	2.763	-0.043	1	128
135	135	-1.15614	-1.06139	0.05060	0.00202	0.00708	0.031	2.767	-0.043	1	129
136	136	-1.15561	-1.06095	0.05061	0.00201	0.00709	0.031	2.768	-0.043	1	130
137	137	-1.15560	-1.06095	0.05061	0.00201	0.00709	0.031	2.768	-0.043	1	131
138	138	-1.14868	-1.05533	0.05083	0.00195	0.00718	0.029	2.780	-0.042	1	132
139	139	-1.14793	-1.05472	0.05086	0.00194	0.00719	0.029	2.781	-0.041	1	133
140	140	-1.14704	-1.05400	0.05088	0.00193	0.00720	0.028	2.783	-0.041	1	134
141	141	-1.14702	-1.05398	0.05089	0.00193	0.00720	0.028	2.783	-0.041	1	135
142	142	-1.14688	-1.05387	0.05089	0.00193	0.00721	0.028	2.783	-0.041	1	136
143	143	-1.14621	-1.05332	0.05091	0.00193	0.00722	0.028	2.784	-0.041	1	137
144	144	-1.14459	-1.05200	0.05096	0.00191	0.00724	0.028	2.786	-0.041	1	138
145	145	-1.14423	-1.05171	0.05097	0.00191	0.00724	0.028	2.787	-0.041	1	139
146	146	-1.14095	-1.04903	0.05107	0.00188	0.00728	0.027	2.792	-0.041	1	140
147	147	-1.14066	-1.04879	0.05108	0.00188	0.00729	0.026	2.792	-0.041	1	141
148	148	-1.13685	-1.04567	0.05119	0.00185	0.00733	0.025	2.798	-0.040	1	142
149	149	-1.13584	-1.04485	0.05122	0.00184	0.00735	0.025	2.800	-0.040	1	143
150	150	-1.13425	-1.04355	0.05127	0.00182	0.00736	0.025	2.802	-0.040	1	144
151	151	-1.12877	-1.03905	0.05143	0.00178	0.00743	0.023	2.809	-0.039	1	145
152	152	-1.12864	-1.03894	0.05143	0.00178	0.00743	0.023	2.810	-0.039	1	146
153	153	-1.12399	-1.03511	0.05156	0.00174	0.00749	0.022	2.816	-0.038	1	147
154	154	-1.12299	-1.03428	0.05159	0.00173	0.00750	0.022	2.817	-0.038	1	148
155	155	-1.12216	-1.03359	0.05161	0.00173	0.00751	0.022	2.818	-0.038	1	149
156	156	-1.12135	-1.03293	0.05163	0.00172	0.00752	0.022	2.819	-0.038	1	150
157	157	-1.12004	-1.03184	0.05167	0.00171	0.00753	0.021	2.821	-0.038	1	151
158	158	-1.11906	-1.03103	0.05170	0.00170	0.00754	0.021	2.822	-0.038	1	152
159	159	-1.11875	-1.03077	0.05171	0.00170	0.00755	0.021	2.822	-0.038	1	153
160	160	-1.11537	-1.02798	0.05180	0.00168	0.00758	0.020	2.827	-0.037	1	154
161	161	-1.11410	-1.02692	0.05183	0.00167	0.00760	0.020	2.828	-0.037	1	155
162	162	-1.11353	-1.02645	0.05185	0.00166	0.00760	0.020	2.829	-0.037	1	156
163	163	-1.11336	-1.02631	0.05185	0.00166	0.00761	0.020	2.829	-0.037	1	157
164	164	-1.11298	-1.02600	0.05186	0.00166	0.00761	0.020	2.829	-0.037	1	158
165	165	-1.11218	-1.02533	0.05188	0.00165	0.00762	0.020	2.830	-0.037	1	159
166	166	-1.11017	-1.02366	0.05194	0.00164	0.00764	0.019	2.833	-0.037	1	160
167	167	-1.10836	-1.02216	0.05198	0.00162	0.00766	0.019	2.835	-0.037	1	161
168	168	-1.10836	-1.02215	0.05198	0.00162	0.00766	0.019	2.835	-0.037	1	162
169	169	-1.10733	-1.02130	0.05201	0.00162	0.00767	0.019	2.836	-0.037	1	163
170	170	-1.10708	-1.02109	0.05202	0.00162	0.00767	0.019	2.836	-0.036	1	164
171	171	-1.10637	-1.02050	0.05203	0.00161	0.00768	0.018	2.837	-0.036	1	165
172	172	-1.10155	-1.01648	0.05216	0.00158	0.00773	0.018	2.842	-0.036	1	166
173	173	-1.10054	-1.01564	0.05218	0.00157	0.00774	0.017	2.843	-0.036	1	167
174	174	-1.10044	-1.01556	0.05218	0.00157	0.00774	0.017	2.843	-0.036	1	168
175	175	-1.09862	-1.01404	0.05223	0.00156	0.00776	0.017	2.845	-0.036	1	169

TABLE A-3 (Continued)

176	176	-1.09861	-1.01403	0.05223	0.00156	0.00776	0.017	2.845	-0.036	1	170
177	177	-1.09284	-1.00920	0.05237	0.00152	0.00782	0.016	2.851	-0.035	1	171
178	178	-1.08762	-1.00482	0.05250	0.00148	0.00787	0.015	2.856	-0.034	1	172
179	179	-1.08637	-1.00377	0.05253	0.00148	0.00788	0.015	2.857	-0.034	1	173
180	180	-1.08589	-1.00337	0.05254	0.00147	0.00789	0.015	2.858	-0.034	1	174
181	181	-1.08406	-1.00183	0.05258	0.00146	0.00791	0.015	2.859	-0.034	1	175
182	182	-1.08298	-1.00092	0.05261	0.00146	0.00792	0.015	2.860	-0.034	1	176
183	183	-1.08258	-1.00058	0.05262	0.00145	0.00792	0.014	2.861	-0.034	1	177
184	184	-1.08194	-1.00004	0.05263	0.00145	0.00793	0.014	2.861	-0.034	1	178
185	185	-1.08017	-0.99855	0.05267	0.00144	0.00794	0.014	2.863	-0.034	1	179
186	186	-1.07985	-0.99828	0.05268	0.00144	0.00795	0.014	2.863	-0.034	1	180
187	187	-1.07930	-0.99782	0.05269	0.00143	0.00795	0.014	2.864	-0.034	1	181
188	188	-1.07719	-0.99604	0.05274	0.00142	0.00797	0.014	2.865	-0.033	1	182
189	189	-1.07491	-0.99411	0.05279	0.00141	0.00799	0.013	2.867	-0.033	1	183
190	190	-1.07218	-0.99181	0.05285	0.00139	0.00802	0.013	2.870	-0.033	1	184
191	191	-1.07109	-0.99089	0.05288	0.00138	0.00803	0.013	2.871	-0.033	1	185
192	192	-1.06980	-0.98979	0.05291	0.00138	0.00804	0.013	2.872	-0.033	1	186
193	193	-1.06762	-0.98795	0.05295	0.00136	0.00806	0.013	2.873	-0.032	1	187
194	194	-1.06477	-0.98553	0.05302	0.00135	0.00808	0.012	2.876	-0.032	1	188
195	195	-1.06085	-0.98220	0.05310	0.00133	0.00812	0.012	2.879	-0.032	1	189
196	196	-1.05792	-0.97971	0.05316	0.00131	0.00814	0.011	2.881	-0.032	1	190
197	197	-1.05778	-0.97959	0.05316	0.00131	0.00814	0.011	2.881	-0.032	1	191
198	198	-1.05576	-0.97787	0.05321	0.00130	0.00816	0.011	2.882	-0.031	1	192
199	199	-1.05315	-0.97565	0.05326	0.00129	0.00818	0.011	2.884	-0.031	1	193
200	200	-1.05304	-0.97556	0.05326	0.00128	0.00818	0.011	2.884	-0.031	1	194
201	201	-1.05269	-0.97526	0.05327	0.00128	0.00819	0.011	2.885	-0.031	1	195
202	202	-1.05255	-0.97514	0.05327	0.00128	0.00819	0.011	2.885	-0.031	1	196
203	203	-1.05209	-0.97475	0.05328	0.00128	0.00819	0.011	2.885	-0.031	1	197
204	204	-1.04908	-0.97218	0.05334	0.00126	0.00822	0.011	2.887	-0.031	1	198
205	205	-1.04796	-0.97123	0.05337	0.00126	0.00822	0.010	2.888	-0.031	1	199
206	206	-1.04748	-0.97081	0.05338	0.00126	0.00823	0.010	2.888	-0.031	1	200
207	207	-1.04562	-0.96923	0.05341	0.00125	0.00824	0.010	2.889	-0.030	1	201
208	208	-1.04549	-0.96911	0.05342	0.00125	0.00824	0.010	2.890	-0.030	1	202
209	209	-1.04538	-0.96902	0.05342	0.00125	0.00825	0.010	2.890	-0.030	1	203
210	210	-1.04513	-0.96881	0.05342	0.00124	0.00825	0.010	2.890	-0.030	1	204
211	211	-1.04434	-0.96813	0.05344	0.00124	0.00825	0.010	2.890	-0.030	1	205
212	212	-1.04421	-0.96802	0.05344	0.00124	0.00825	0.010	2.890	-0.030	1	206
213	213	-1.04277	-0.96679	0.05347	0.00123	0.00827	0.010	2.891	-0.030	1	207
214	214	-1.04084	-0.96514	0.05351	0.00122	0.00828	0.010	2.893	-0.030	1	208
215	215	-1.03957	-0.96405	0.05353	0.00122	0.00829	0.010	2.893	-0.030	1	209
216	216	-1.03879	-0.96338	0.05355	0.00121	0.00830	0.010	2.894	-0.030	1	210
217	217	-1.03874	-0.96334	0.05355	0.00121	0.00830	0.010	2.894	-0.030	1	211
218	218	-1.03871	-0.96332	0.05355	0.00121	0.00830	0.010	2.894	-0.030	1	212
219	219	-1.03500	-0.96013	0.05362	0.00119	0.00833	0.009	2.896	-0.030	1	213
220	220	-1.03484	-0.96000	0.05362	0.00119	0.00833	0.009	2.896	-0.030	1	214
221	221	-1.03430	-0.95953	0.05363	0.00119	0.00833	0.009	2.897	-0.030	1	215
222	222	-1.03255	-0.95803	0.05367	0.00118	0.00835	0.009	2.898	-0.029	1	216
223	223	-1.03189	-0.95746	0.05368	0.00118	0.00835	0.009	2.898	-0.029	1	217
224	224	-1.02934	-0.95527	0.05373	0.00117	0.00837	0.009	2.900	-0.029	1	218
225	225	-1.02894	-0.95493	0.05373	0.00117	0.00837	0.009	2.900	-0.029	1	219
226	226	-1.02872	-0.95474	0.05374	0.00117	0.00837	0.009	2.900	-0.029	1	220
227	227	-1.02775	-0.95391	0.05376	0.00116	0.00838	0.009	2.901	-0.029	1	221
228	228	-1.02718	-0.95341	0.05377	0.00116	0.00839	0.009	2.901	-0.029	1	222
229	229	-1.02564	-0.95209	0.05380	0.00115	0.00840	0.009	2.902	-0.029	1	223
230	230	-1.02321	-0.94999	0.05384	0.00114	0.00842	0.008	2.903	-0.029	1	224
231	231	-1.02274	-0.94959	0.05385	0.00114	0.00842	0.008	2.903	-0.029	1	225
232	232	-1.02184	-0.94882	0.05386	0.00113	0.00843	0.008	2.904	-0.029	1	226
233	233	-1.02123	-0.94829	0.05388	0.00113	0.00843	0.008	2.904	-0.028	1	227
234	234	-1.02080	-0.94792	0.05388	0.00113	0.00843	0.008	2.905	-0.028	1	228
235	235	-1.02077	-0.94789	0.05388	0.00113	0.00843	0.008	2.905	-0.028	1	229
236	236	-1.02050	-0.94766	0.05389	0.00113	0.00844	0.008	2.905	-0.028	1	230
237	237	-1.01636	-0.94409	0.05396	0.00111	0.00847	0.008	2.907	-0.028	1	231
238	238	-1.01631	-0.94405	0.05396	0.00111	0.00847	0.008	2.907	-0.028	1	232
239	239	-1.01598	-0.94376	0.05397	0.00111	0.00847	0.008	2.907	-0.028	1	233
240	240	-1.01390	-0.94196	0.05401	0.00110	0.00848	0.008	2.908	-0.028	1	234
241	241	-1.01385	-0.94192	0.05401	0.00110	0.00848	0.008	2.908	-0.028	1	235

TABLE A-3 (Continued)

242	242	-1.01361	-0.94171	0.05401	0.00110	0.00848	0.008	2.908	-0.028	1	236
243	243	-1.01115	-0.93959	0.05405	0.00109	0.00850	0.007	2.910	-0.028	1	237
244	244	-1.00824	-0.93707	0.05411	0.00108	0.00852	0.007	2.911	-0.027	1	238
245	245	-1.00744	-0.93637	0.05412	0.00107	0.00853	0.007	2.912	-0.027	1	239
246	246	-1.00637	-0.93545	0.05414	0.00107	0.00853	0.007	2.912	-0.027	1	240
247	247	-1.00583	-0.93498	0.05415	0.00107	0.00854	0.007	2.912	-0.027	1	241
248	248	-1.00580	-0.93496	0.05415	0.00107	0.00854	0.007	2.912	-0.027	1	242
249	249	-1.00540	-0.93461	0.05415	0.00106	0.00854	0.007	2.913	-0.027	1	243
250	250	-1.00189	-0.93157	0.05421	0.00105	0.00857	0.007	2.914	-0.027	1	244
251	251	-1.00035	-0.93023	0.05424	0.00104	0.00858	0.007	2.915	-0.027	1	245
252	252	-0.99697	-0.92729	0.05429	0.00103	0.00860	0.007	2.917	-0.027	1	246
253	253	-0.99630	-0.92672	0.05431	0.00103	0.00860	0.007	2.917	-0.027	1	247
254	254	-0.99495	-0.92554	0.05433	0.00102	0.00861	0.007	2.917	-0.027	1	248
255	255	-0.99483	-0.92544	0.05433	0.00102	0.00861	0.007	2.918	-0.026	1	249
256	256	-0.99465	-0.92528	0.05433	0.00102	0.00861	0.006	2.918	-0.026	1	250
257	257	-0.99460	-0.92524	0.05433	0.00102	0.00861	0.006	2.918	-0.026	1	251
258	258	-0.99460	-0.92523	0.05433	0.00102	0.00861	0.006	2.918	-0.026	1	252
259	259	-0.99410	-0.92480	0.05434	0.00102	0.00862	0.006	2.918	-0.026	1	253
260	260	-0.99399	-0.92471	0.05434	0.00102	0.00862	0.006	2.918	-0.026	1	254
261	261	-0.99339	-0.92418	0.05435	0.00102	0.00862	0.006	2.918	-0.026	1	255
262	262	-0.99134	-0.92240	0.05439	0.00101	0.00863	0.006	2.919	-0.026	1	256
263	263	-0.98867	-0.92008	0.05443	0.00100	0.00865	0.006	2.920	-0.026	1	257
264	264	-0.98522	-0.91707	0.05448	0.00098	0.00867	0.006	2.922	-0.026	1	258
265	265	-0.98461	-0.91654	0.05449	0.00098	0.00868	0.006	2.922	-0.026	1	259
266	266	-0.98366	-0.91571	0.05451	0.00098	0.00868	0.006	2.922	-0.026	1	260
267	267	-0.97994	-0.91246	0.05457	0.00097	0.00871	0.006	2.924	-0.025	1	261
268	268	-0.97981	-0.91235	0.05457	0.00096	0.00871	0.006	2.924	-0.025	1	262
269	269	-0.97938	-0.91197	0.05458	0.00096	0.00871	0.006	2.924	-0.025	1	263
270	270	-0.97654	-0.90949	0.05462	0.00095	0.00873	0.006	2.925	-0.025	1	264
271	271	-0.97555	-0.90863	0.05463	0.00095	0.00873	0.006	2.926	-0.025	1	265
272	272	-0.97356	-0.90689	0.05466	0.00094	0.00874	0.005	2.927	-0.025	1	266
273	273	-0.97131	-0.90492	0.05470	0.00093	0.00876	0.005	2.927	-0.025	2	267
274	274	-0.97071	-0.90439	0.05471	0.00093	0.00876	0.005	2.928	-0.025	2	268
275	275	-0.96901	-0.90291	0.05473	0.00093	0.00877	0.005	2.928	-0.025	2	269
276	276	-0.96671	-0.90090	0.05477	0.00092	0.00879	0.005	2.929	-0.025	2	270
277	277	-0.96265	-0.89733	0.05483	0.00091	0.00881	0.005	2.931	-0.024	2	271
278	278	-0.96199	-0.89675	0.05483	0.00090	0.00881	0.005	2.931	-0.024	2	272
279	279	-0.96151	-0.89633	0.05484	0.00090	0.00882	0.005	2.931	-0.024	2	273
280	280	-0.96028	-0.89525	0.05486	0.00090	0.00882	0.005	2.932	-0.024	2	274
281	281	-0.96005	-0.89505	0.05486	0.00090	0.00882	0.005	2.932	-0.024	2	275
282	282	-0.95885	-0.89400	0.05488	0.00089	0.00883	0.005	2.932	-0.024	2	276
283	283	-0.95877	-0.89393	0.05488	0.00089	0.00883	0.005	2.932	-0.024	2	277
284	284	-0.95841	-0.89361	0.05489	0.00089	0.00883	0.005	2.932	-0.024	2	278
285	285	-0.95800	-0.89325	0.05489	0.00089	0.00884	0.005	2.932	-0.024	2	279
286	286	-0.95656	-0.89198	0.05491	0.00089	0.00884	0.005	2.933	-0.024	2	280
287	287	-0.95597	-0.89146	0.05492	0.00088	0.00885	0.005	2.933	-0.024	2	281
288	288	-0.95565	-0.89118	0.05493	0.00088	0.00885	0.005	2.933	-0.024	2	282
289	289	-0.95480	-0.89044	0.05494	0.00088	0.00885	0.005	2.933	-0.024	2	283
290	290	-0.95404	-0.88977	0.05495	0.00088	0.00886	0.005	2.934	-0.024	2	284
291	291	-0.95333	-0.88915	0.05496	0.00087	0.00886	0.005	2.934	-0.024	2	285
292	292	-0.95329	-0.88911	0.05496	0.00087	0.00886	0.005	2.934	-0.024	2	286
293	293	-0.95171	-0.88772	0.05498	0.00087	0.00887	0.005	2.934	-0.024	2	287
294	294	-0.95147	-0.88751	0.05498	0.00087	0.00887	0.005	2.935	-0.024	2	288
295	295	-0.94666	-0.88328	0.05505	0.00085	0.00890	0.004	2.936	-0.023	2	289
296	296	-0.94586	-0.88257	0.05506	0.00085	0.00890	0.004	2.936	-0.023	2	290
297	297	-0.94511	-0.88191	0.05507	0.00085	0.00891	0.004	2.937	-0.023	2	291
298	298	-0.94411	-0.88103	0.05508	0.00085	0.00891	0.004	2.937	-0.023	2	292
299	299	-0.94343	-0.88043	0.05509	0.00084	0.00892	0.004	2.937	-0.023	2	293
300	300	-0.94275	-0.87983	0.05510	0.00084	0.00892	0.004	2.937	-0.023	2	294
301	301	-0.94039	-0.87775	0.05513	0.00083	0.00893	0.004	2.938	-0.023	2	295
302	302	-0.93998	-0.87739	0.05514	0.00083	0.00893	0.004	2.938	-0.023	2	296
303	303	-0.93872	-0.87628	0.05516	0.00083	0.00894	0.004	2.939	-0.023	2	297
304	304	-0.93753	-0.87523	0.05517	0.00083	0.00895	0.004	2.939	-0.023	2	298
305	305	-0.93707	-0.87482	0.05518	0.00082	0.00895	0.004	2.939	-0.023	2	299
306	306	-0.93628	-0.87412	0.05519	0.00082	0.00895	0.004	2.939	-0.023	2	300
307	307	-0.93580	-0.87370	0.05520	0.00082	0.00896	0.004	2.940	-0.023	2	301

TABLE A-3 (Continued)

308	308	-0.93463	-0.87266	0.05521	0.00082	0.00896	0.004	2.940	-0.023	2	302
309	309	-0.93377	-0.87190	0.05522	0.00082	0.00897	0.004	2.940	-0.023	2	303
310	310	-0.93129	-0.86972	0.05525	0.00081	0.00898	0.004	2.941	-0.022	2	304
311	311	-0.93093	-0.86939	0.05526	0.00081	0.00898	0.004	2.941	-0.022	2	305
312	312	-0.92928	-0.86793	0.05528	0.00080	0.00899	0.004	2.942	-0.022	2	306
313	313	-0.92783	-0.86665	0.05530	0.00080	0.00900	0.004	2.942	-0.022	2	307
314	314	-0.92598	-0.86502	0.05532	0.00079	0.00901	0.004	2.942	-0.022	2	308
315	315	-0.92509	-0.86422	0.05533	0.00079	0.00901	0.004	2.943	-0.022	2	309
316	316	-0.92489	-0.86405	0.05534	0.00079	0.00901	0.004	2.943	-0.022	2	310
317	317	-0.92450	-0.86370	0.05534	0.00079	0.00901	0.004	2.943	-0.022	2	311
318	318	-0.92380	-0.86309	0.05535	0.00079	0.00902	0.004	2.943	-0.022	2	312
319	319	-0.92360	-0.86291	0.05535	0.00079	0.00902	0.004	2.943	-0.022	2	313
320	320	-0.92328	-0.86262	0.05536	0.00079	0.00902	0.004	2.943	-0.022	2	314
321	321	-0.92194	-0.86144	0.05537	0.00078	0.00903	0.004	2.944	-0.022	2	31
322	322	-0.92194	-0.86144	0.05537	0.00078	0.00903	0.004	2.944	-0.022	2	316
323	323	-0.92132	-0.86089	0.05538	0.00078	0.00903	0.004	2.944	-0.022	2	317
324	324	-0.91970	-0.85945	0.05540	0.00078	0.00904	0.004	2.944	-0.022	2	318
325	325	-0.91936	-0.85915	0.05541	0.00077	0.00904	0.004	2.944	-0.022	2	319
326	326	-0.91914	-0.85896	0.05541	0.00077	0.00904	0.004	2.944	-0.022	2	320
327	327	-0.91749	-0.85750	0.05543	0.00077	0.00905	0.003	2.945	-0.022	2	321
328	328	-0.91596	-0.85614	0.05545	0.00077	0.00905	0.003	2.945	-0.022	2	322
329	329	-0.91508	-0.85536	0.05546	0.00076	0.00906	0.003	2.945	-0.021	2	323
330	330	-0.91409	-0.85448	0.05547	0.00076	0.00906	0.003	2.946	-0.021	2	324
331	331	-0.91286	-0.85338	0.05548	0.00076	0.00907	0.003	2.946	-0.021	2	325
332	332	-0.90617	-0.84745	0.05556	0.00074	0.00910	0.003	2.948	-0.021	2	326
333	333	-0.90572	-0.84704	0.05557	0.00074	0.00910	0.003	2.948	-0.021	2	327
334	334	-0.90564	-0.84697	0.05557	0.00074	0.00910	0.003	2.948	-0.021	2	328
335	335	-0.90432	-0.84580	0.05559	0.00073	0.00911	0.003	2.948	-0.021	2	329
336	336	-0.90427	-0.84576	0.05559	0.00073	0.00911	0.003	2.948	-0.021	2	330
337	337	-0.90329	-0.84488	0.05560	0.00073	0.00911	0.003	2.948	-0.021	2	331
338	338	-0.90284	-0.84448	0.05560	0.00073	0.00912	0.003	2.949	-0.021	2	332
339	339	-0.90006	-0.84200	0.05564	0.00072	0.00913	0.003	2.949	-0.021	2	333
340	340	-0.90000	-0.84196	0.05564	0.00072	0.00913	0.003	2.949	-0.021	2	334
341	341	-0.89928	-0.84131	0.05565	0.00072	0.00913	0.003	2.949	-0.021	2	335
342	342	-0.89858	-0.84069	0.05565	0.00072	0.00914	0.003	2.950	-0.021	2	336
343	343	-0.89701	-0.83929	0.05567	0.00072	0.00914	0.003	2.950	-0.020	2	337
344	344	-0.89642	-0.83877	0.05568	0.00071	0.00915	0.003	2.950	-0.020	2	338
345	345	-0.89493	-0.83743	0.05570	0.00071	0.00915	0.003	2.950	-0.020	2	339
346	346	-0.89321	-0.83590	0.05571	0.00071	0.00916	0.003	2.951	-0.020	2	340
347	347	-0.89254	-0.83531	0.05572	0.00071	0.00916	0.003	2.951	-0.020	2	341
348	348	-0.89141	-0.83430	0.05573	0.00070	0.00917	0.003	2.951	-0.020	2	342
349	349	-0.89135	-0.83424	0.05574	0.00070	0.00917	0.003	2.951	-0.020	2	343
350	350	-0.89124	-0.83415	0.05574	0.00070	0.00917	0.003	2.951	-0.020	2	344
351	351	-0.88950	-0.83259	0.05576	0.00070	0.00918	0.003	2.952	-0.020	2	345
352	352	-0.88825	-0.83148	0.05577	0.00069	0.00918	0.003	2.952	-0.020	2	346
353	353	-0.88686	-0.83024	0.05579	0.00069	0.00919	0.003	2.952	-0.020	2	347
354	354	-0.88512	-0.82869	0.05580	0.00069	0.00920	0.003	2.953	-0.020	2	348
355	355	-0.88509	-0.82866	0.05581	0.00069	0.00920	0.003	2.953	-0.020	2	349
356	356	-0.88499	-0.82857	0.05581	0.00069	0.00920	0.003	2.953	-0.020	2	350
357	357	-0.88421	-0.82787	0.05581	0.00069	0.00920	0.003	2.953	-0.020	2	351
358	358	-0.88405	-0.82773	0.05582	0.00068	0.00920	0.003	2.953	-0.020	2	352
359	359	-0.88306	-0.82685	0.05583	0.00068	0.00920	0.003	2.953	-0.020	2	353
360	360	-0.88289	-0.82669	0.05583	0.00068	0.00920	0.003	2.953	-0.020	2	354
361	361	-0.88263	-0.82647	0.05583	0.00068	0.00921	0.003	2.953	-0.020	2	355
362	362	-0.88201	-0.82591	0.05584	0.00068	0.00921	0.003	2.953	-0.020	2	356
363	363	-0.87991	-0.82403	0.05586	0.00068	0.00922	0.003	2.954	-0.020	2	357
364	364	-0.87752	-0.82190	0.05589	0.00067	0.00923	0.003	2.954	-0.019	2	358
365	365	-0.87707	-0.82149	0.05589	0.00067	0.00923	0.003	2.954	-0.019	2	359
366	366	-0.87677	-0.82123	0.05590	0.00067	0.00923	0.003	2.955	-0.019	2	360
367	367	-0.87229	-0.81722	0.05594	0.00066	0.00925	0.002	2.955	-0.019	2	361
368	368	-0.87190	-0.81686	0.05595	0.00066	0.00925	0.002	2.956	-0.019	2	362
369	369	-0.87075	-0.81584	0.05596	0.00065	0.00926	0.002	2.956	-0.019	2	363
370	370	-0.87065	-0.81575	0.05596	0.00065	0.00926	0.002	2.956	-0.019	2	364
371	371	-0.87034	-0.81547	0.05596	0.00065	0.00926	0.002	2.956	-0.019	2	365
372	372	-0.86852	-0.81384	0.05598	0.00065	0.00926	0.002	2.956	-0.019	2	366
373	373	-0.86798	-0.81335	0.05599	0.00065	0.00927	0.002	2.956	-0.019	2	367

TABLE A-3 (Continued)

374	374	-0.86778	-0.81318	0.05599	0.00065	0.00927	0.002	2.956	-0.019	2	368
375	375	-0.86775	-0.81315	0.05599	0.00065	0.00927	0.002	2.956	-0.019	2	369
376	376	-0.86752	-0.81295	0.05599	0.00065	0.00927	0.002	2.956	-0.019	2	370
377	377	-0.86671	-0.81222	0.05600	0.00065	0.00927	0.002	2.957	-0.019	2	371
378	378	-0.86601	-0.81160	0.05601	0.00064	0.00927	0.002	2.957	-0.019	2	372
379	379	-0.86536	-0.81101	0.05602	0.00064	0.00928	0.002	2.957	-0.019	2	373
380	380	-0.86413	-0.80991	0.05603	0.00064	0.00928	0.002	2.957	-0.019	2	374
381	381	-0.86412	-0.80989	0.05603	0.00064	0.00928	0.002	2.957	-0.019	2	375
382	382	-0.85992	-0.80613	0.05607	0.00063	0.00930	0.002	2.958	-0.019	2	376
383	383	-0.85982	-0.80605	0.05607	0.00063	0.00930	0.002	2.958	-0.019	2	377
384	384	-0.85731	-0.80379	0.05610	0.00063	0.00931	0.002	2.958	-0.018	2	378
385	385	-0.85370	-0.80055	0.05613	0.00062	0.00932	0.002	2.959	-0.018	2	379
386	386	-0.85304	-0.79995	0.05614	0.00062	0.00933	0.002	2.959	-0.018	2	380
387	387	-0.85221	-0.79921	0.05615	0.00061	0.00933	0.002	2.959	-0.018	2	381
388	388	-0.85206	-0.79908	0.05615	0.00061	0.00933	0.002	2.959	-0.018	2	382
389	389	-0.85107	-0.79819	0.05616	0.00061	0.00933	0.002	2.959	-0.018	2	383
390	390	-0.85070	-0.79786	0.05616	0.00061	0.00933	0.002	2.960	-0.018	2	384
391	391	-0.84796	-0.79539	0.05619	0.00061	0.00935	0.002	2.960	-0.018	2	385
392	392	-0.84750	-0.79498	0.05619	0.00061	0.00935	0.002	2.960	-0.018	2	386
393	393	-0.84594	-0.79358	0.05621	0.00060	0.00935	0.002	2.960	-0.018	2	387
394	394	-0.84515	-0.79286	0.05622	0.00060	0.00936	0.002	2.961	-0.018	2	388
395	395	-0.84385	-0.79170	0.05623	0.00060	0.00936	0.002	2.961	-0.018	2	389
396	396	-0.84280	-0.79075	0.05624	0.00060	0.00936	0.002	2.961	-0.018	2	390
397	397	-0.84209	-0.79011	0.05625	0.00059	0.00937	0.002	2.961	-0.018	2	391
398	398	-0.84203	-0.79006	0.05625	0.00059	0.00937	0.002	2.961	-0.018	2	392
399	399	-0.84142	-0.78950	0.05625	0.00059	0.00937	0.002	2.961	-0.018	2	393
400	400	-0.84081	-0.78896	0.05626	0.00059	0.00937	0.002	2.961	-0.018	2	394
401	401	-0.84061	-0.78878	0.05626	0.00059	0.00937	0.002	2.961	-0.018	2	395
402	402	-0.83925	-0.78756	0.05627	0.00059	0.00938	0.002	2.962	-0.018	2	396
403	403	-0.83918	-0.78749	0.05627	0.00059	0.00938	0.002	2.962	-0.018	2	397
404	404	-0.83761	-0.78608	0.05629	0.00059	0.00938	0.002	2.962	-0.018	2	398
405	405	-0.83554	-0.78421	0.05631	0.00058	0.00939	0.002	2.962	-0.017	2	399
406	406	-0.83352	-0.78240	0.05633	0.00058	0.00940	0.002	2.962	-0.017	2	400
407	407	-0.83284	-0.78178	0.05633	0.00058	0.00940	0.002	2.963	-0.017	2	401
408	408	-0.83258	-0.78155	0.05633	0.00058	0.00940	0.002	2.963	-0.017	2	402
409	409	-0.83210	-0.78111	0.05634	0.00058	0.00940	0.002	2.963	-0.017	2	403
410	410	-0.83201	-0.78103	0.05634	0.00058	0.00940	0.002	2.963	-0.017	2	404
411	411	-0.83099	-0.78011	0.05635	0.00057	0.00941	0.002	2.963	-0.017	2	405
412	412	-0.82943	-0.77871	0.05636	0.00057	0.00941	0.002	2.963	-0.017	2	406
413	413	-0.82847	-0.77784	0.05637	0.00057	0.00942	0.002	2.963	-0.017	2	407
414	414	-0.82784	-0.77728	0.05638	0.00057	0.00942	0.002	2.963	-0.017	2	408
415	415	-0.82689	-0.77641	0.05639	0.00057	0.00942	0.002	2.964	-0.017	2	409
416	416	-0.82428	-0.77406	0.05641	0.00056	0.00943	0.002	2.964	-0.017	2	410
417	417	-0.82374	-0.77358	0.05641	0.00056	0.00943	0.002	2.964	-0.017	2	411
418	418	-0.82060	-0.77074	0.05644	0.00055	0.00944	0.002	2.964	-0.017	2	412
419	419	-0.81959	-0.76982	0.05645	0.00055	0.00945	0.002	2.965	-0.017	2	413
420	420	-0.80962	-0.76082	0.05654	0.00053	0.00948	0.002	2.966	-0.016	2	414
421	421	-0.80836	-0.75967	0.05655	0.00053	0.00949	0.002	2.966	-0.016	2	415
422	422	-0.80636	-0.75786	0.05657	0.00053	0.00949	0.002	2.967	-0.016	2	416
423	423	-0.80563	-0.75720	0.05657	0.00053	0.00949	0.002	2.967	-0.016	2	417
424	424	-0.80426	-0.75596	0.05658	0.00053	0.00950	0.002	2.967	-0.016	2	418
425	425	-0.80412	-0.75583	0.05658	0.00053	0.00950	0.002	2.967	-0.016	2	419
426	426	-0.80222	-0.75412	0.05660	0.00052	0.00951	0.002	2.967	-0.016	2	420
427	427	-0.80133	-0.75331	0.05661	0.00052	0.00951	0.001	2.967	-0.016	2	421
428	428	-0.80085	-0.75288	0.05661	0.00052	0.00951	0.001	2.967	-0.016	2	422
429	429	-0.79863	-0.75087	0.05663	0.00052	0.00952	0.001	2.968	-0.016	2	423
430	430	-0.79748	-0.74982	0.05664	0.00051	0.00952	0.001	2.968	-0.016	2	424
431	431	-0.79664	-0.74906	0.05665	0.00051	0.00952	0.001	2.968	-0.016	2	425
432	432	-0.79594	-0.74843	0.05665	0.00051	0.00953	0.001	2.968	-0.016	2	426
433	433	-0.79590	-0.74839	0.05665	0.00051	0.00953	0.001	2.968	-0.016	2	427
434	434	-0.79574	-0.74824	0.05665	0.00051	0.00953	0.001	2.968	-0.016	2	428
435	435	-0.79450	-0.74712	0.05666	0.00051	0.00953	0.001	2.968	-0.016	2	429
436	436	-0.79084	-0.74380	0.05669	0.00050	0.00954	0.001	2.969	-0.016	2	430
437	437	-0.79008	-0.74311	0.05670	0.00050	0.00954	0.001	2.969	-0.016	2	431
438	438	-0.78811	-0.74132	0.05672	0.00050	0.00955	0.001	2.969	-0.015	2	432
439	439	-0.78725	-0.74054	0.05672	0.00050	0.00955	0.001	2.969	-0.015	2	433

TABLE A-3 (Continued)

440	440	-0.78615	-0.73954	0.05673	0.00050	0.00956	0.001	2.969	-0.015	2	434
441	441	-0.78608	-0.73948	0.05673	0.00050	0.00956	0.001	2.969	-0.015	2	435
442	442	-0.78542	-0.73888	0.05674	0.00049	0.00956	0.001	2.969	-0.015	2	436
443	443	-0.78349	-0.73713	0.05675	0.00049	0.00956	0.001	2.970	-0.015	2	437
444	444	-0.78090	-0.73478	0.05677	0.00049	0.00957	0.001	2.970	-0.015	2	438
445	445	-0.77728	-0.73149	0.05680	0.00048	0.00958	0.001	2.970	-0.015	2	439
446	446	-0.77662	-0.73089	0.05681	0.00048	0.00959	0.001	2.970	-0.015	2	440
447	447	-0.77598	-0.73031	0.05681	0.00048	0.00959	0.001	2.970	-0.015	2	441
448	448	-0.77502	-0.72943	0.05682	0.00048	0.00959	0.001	2.971	-0.015	2	442
449	449	-0.77424	-0.72872	0.05682	0.00048	0.00959	0.001	2.971	-0.015	2	443
450	450	-0.77406	-0.72856	0.05683	0.00048	0.00959	0.001	2.971	-0.015	2	444
451	451	-0.77367	-0.72821	0.05683	0.00048	0.00959	0.001	2.971	-0.015	2	445
452	452	-0.77236	-0.72702	0.05684	0.00047	0.00960	0.001	2.971	-0.015	2	446
453	453	-0.77146	-0.72620	0.05685	0.00047	0.00960	0.001	2.971	-0.015	2	447
454	454	-0.77145	-0.72619	0.05685	0.00047	0.00960	0.001	2.971	-0.015	2	448
455	455	-0.76997	-0.72484	0.05686	0.00047	0.00960	0.001	2.971	-0.015	2	449
456	456	-0.76907	-0.72403	0.05686	0.00047	0.00961	0.001	2.971	-0.015	2	450
457	457	-0.76891	-0.72387	0.05686	0.00047	0.00961	0.001	2.971	-0.015	2	451
458	458	-0.76621	-0.72143	0.05688	0.00047	0.00962	0.001	2.972	-0.015	2	452
459	459	-0.76487	-0.72020	0.05689	0.00046	0.00962	0.001	2.972	-0.015	2	453
460	460	-0.76405	-0.71945	0.05690	0.00046	0.00962	0.001	2.972	-0.015	2	454
461	461	-0.76262	-0.71816	0.05691	0.00046	0.00963	0.001	2.972	-0.014	2	455
462	462	-0.76187	-0.71747	0.05692	0.00046	0.00963	0.001	2.972	-0.014	2	456
463	463	-0.76058	-0.71629	0.05693	0.00046	0.00963	0.001	2.972	-0.014	2	457
464	464	-0.76001	-0.71577	0.05693	0.00046	0.00963	0.001	2.972	-0.014	2	458
465	465	-0.75732	-0.71333	0.05695	0.00045	0.00964	0.001	2.973	-0.014	2	459
466	466	-0.75719	-0.71320	0.05695	0.00045	0.00964	0.001	2.973	-0.014	2	460
467	467	-0.75664	-0.71270	0.05695	0.00045	0.00964	0.001	2.973	-0.014	2	461
468	468	-0.75608	-0.71220	0.05696	0.00045	0.00964	0.001	2.973	-0.014	2	462
469	469	-0.75564	-0.71179	0.05696	0.00045	0.00965	0.001	2.973	-0.014	2	463
470	470	-0.75513	-0.71133	0.05697	0.00045	0.00965	0.001	2.973	-0.014	2	464
471	471	-0.75287	-0.70927	0.05698	0.00045	0.00965	0.001	2.973	-0.014	2	465
472	472	-0.75095	-0.70751	0.05700	0.00044	0.00966	0.001	2.973	-0.014	2	466
473	473	-0.74970	-0.70637	0.05700	0.00044	0.00966	0.001	2.973	-0.014	2	467
474	474	-0.74948	-0.70618	0.05701	0.00044	0.00966	0.001	2.973	-0.014	2	468
475	475	-0.74829	-0.70509	0.05701	0.00044	0.00967	0.001	2.973	-0.014	2	469
476	476	-0.74700	-0.70392	0.05702	0.00044	0.00967	0.001	2.974	-0.014	2	470
477	477	-0.74419	-0.70135	0.05704	0.00043	0.00968	0.001	2.974	-0.014	2	471
478	478	-0.74090	-0.69835	0.05707	0.00043	0.00969	0.001	2.974	-0.014	2	472
479	479	-0.73851	-0.69616	0.05708	0.00043	0.00969	0.001	2.974	-0.014	2	473
480	480	-0.73809	-0.69578	0.05708	0.00043	0.00969	0.001	2.974	-0.014	2	474
481	481	-0.73768	-0.69540	0.05709	0.00043	0.00969	0.001	2.975	-0.014	2	475
482	482	-0.73584	-0.69373	0.05710	0.00042	0.00970	0.001	2.975	-0.013	2	476
483	483	-0.73581	-0.69370	0.05710	0.00042	0.00970	0.001	2.975	-0.013	2	477
484	484	-0.73495	-0.69291	0.05711	0.00042	0.00970	0.001	2.975	-0.013	2	478
485	485	-0.73488	-0.69285	0.05711	0.00042	0.00970	0.001	2.975	-0.013	2	479
486	486	-0.73376	-0.69183	0.05711	0.00042	0.00970	0.001	2.975	-0.013	2	480
487	487	-0.73132	-0.68959	0.05713	0.00042	0.00971	0.001	2.975	-0.013	8	481
488	488	-0.72910	-0.68756	0.05715	0.00041	0.00972	0.001	2.975	-0.013	8	482
489	489	-0.72904	-0.68751	0.05715	0.00041	0.00972	0.001	2.975	-0.013	8	483
490	490	-0.72764	-0.68623	0.05715	0.00041	0.00972	0.001	2.975	-0.013	8	484
491	491	-0.72741	-0.68602	0.05716	0.00041	0.00972	0.001	2.975	-0.013	8	485
492	492	-0.72704	-0.68568	0.05716	0.00041	0.00972	0.001	2.976	-0.013	8	486
493	493	-0.72587	-0.68461	0.05717	0.00041	0.00972	0.001	2.976	-0.013	8	487
494	494	-0.72567	-0.68443	0.05717	0.00041	0.00972	0.001	2.976	-0.013	8	488
495	495	-0.72562	-0.68439	0.05717	0.00041	0.00973	0.001	2.976	-0.013	8	489
496	496	-0.72504	-0.68385	0.05717	0.00041	0.00973	0.001	2.976	-0.013	8	490
497	497	-0.72440	-0.68326	0.05718	0.00041	0.00973	0.001	2.976	-0.013	8	491
498	498	-0.72231	-0.68136	0.05719	0.00041	0.00973	0.001	2.976	-0.013	8	492
499	499	-0.72202	-0.68109	0.05719	0.00040	0.00973	0.001	2.976	-0.013	8	493
500	500	-0.72160	-0.68071	0.05719	0.00040	0.00974	0.001	2.976	-0.013	8	494
501	501	-0.72117	-0.68031	0.05720	0.00040	0.00974	0.001	2.976	-0.013	8	495
502	502	-0.71890	-0.67824	0.05721	0.00040	0.00974	0.001	2.976	-0.013	8	496
503	503	-0.71880	-0.67814	0.05721	0.00040	0.00974	0.001	2.976	-0.013	8	497
504	504	-0.71877	-0.67812	0.05721	0.00040	0.00974	0.001	2.976	-0.013	8	498
505	505	-0.71852	-0.67789	0.05721	0.00040	0.00974	0.001	2.976	-0.013	8	499

TABLE A-3 (Continued)

506	506	-0.71823	-0.67762	0.05722	0.00040	0.00974	0.001	2.976	-0.013	8	500
507	507	-0.71780	-0.67723	0.05722	C.00040	0.00974	0.001	2.976	-0.013	8	501
508	508	-0.71760	-0.67705	0.05722	0.00040	0.00974	0.001	2.976	-0.013	8	502
509	509	-0.71710	-0.67658	0.05722	C.00040	0.00975	0.001	2.976	-0.013	8	503
510	510	-0.71640	-0.67594	0.05723	0.00040	0.00975	0.001	2.976	-0.013	8	504
511	511	-0.71636	-0.67591	0.05723	C.00040	0.00975	0.001	2.976	-0.013	8	505
512	512	-0.71567	-0.67528	0.05723	0.00040	0.00975	0.001	2.977	-0.013	8	506
513	513	-0.71520	-0.67485	0.05724	0.00040	0.00975	0.001	2.977	-0.013	8	507
514	514	-0.71513	-0.67478	0.05724	0.00040	0.00975	0.001	2.977	-0.013	8	508
515	515	-0.71368	-0.67345	0.05725	0.00039	0.00975	0.001	2.977	-0.013	8	509
516	516	-0.71364	-0.67342	0.05725	0.00039	0.00975	0.001	2.977	-0.013	8	510
517	517	-0.71230	-0.67219	0.05725	C.00C39	0.00976	0.001	2.977	-0.013	8	511
518	518	-0.71200	-0.67192	0.05726	0.00039	0.00976	0.001	2.977	-0.013	8	512
519	519	-0.71003	-0.67011	0.05727	0.00039	0.00976	0.001	2.977	-0.013	8	513
520	520	-0.70581	-0.66624	0.05729	0.00039	0.00977	0.001	2.977	-0.012	8	514
521	521	-0.70530	-0.66577	0.05730	0.00038	0.00977	0.001	2.977	-0.012	8	515
522	522	-0.70450	-0.66505	0.05730	0.00038	0.00978	0.001	2.977	-0.012	8	516
523	523	-0.70247	-0.66318	0.05731	0.00038	0.00978	0.001	2.978	-0.012	8	517
524	524	-0.70132	-0.66212	0.05732	0.00038	0.00978	0.001	2.978	-0.012	8	518
525	525	-0.70091	-0.66175	0.05732	0.00038	0.00979	0.001	2.978	-0.012	8	519
526	526	-0.69952	-0.66048	0.05733	0.00038	0.00979	0.001	2.978	-0.012	8	520
527	527	-0.69933	-0.66030	0.05733	0.00038	0.00979	0.001	2.978	-0.012	8	521
528	528	-0.69930	-0.66027	0.05733	0.00038	0.00979	0.001	2.978	-0.012	8	522
529	529	-0.69907	-0.66006	0.05734	0.00038	0.00979	0.001	2.978	-0.012	8	523
530	530	-0.69841	-0.65946	0.05734	0.00038	0.00979	0.001	2.978	-0.012	8	524
531	531	-0.69831	-0.65936	0.05734	0.00038	0.00979	0.001	2.978	-0.012	8	525
532	532	-0.69769	-0.65880	0.05734	0.00038	0.00979	0.001	2.978	-0.012	8	526
533	533	-0.69744	-0.65857	0.05735	0.00038	0.00979	0.001	2.978	-0.012	8	527
534	534	-0.69656	-0.65776	0.05735	0.00037	0.00980	0.001	2.978	-0.012	8	528
535	535	-0.69611	-0.65735	0.05735	0.00037	0.00980	0.001	2.978	-0.012	8	529
536	536	-0.69547	-0.65676	0.05736	0.00037	0.00980	0.001	2.978	-0.012	8	530
537	537	-0.69313	-0.65461	0.05737	0.00037	0.00980	0.001	2.978	-0.012	8	531
538	538	-0.69211	-0.65367	0.05738	0.00037	0.00981	0.001	2.978	-0.012	8	532
539	539	-0.69178	-0.65337	0.05738	0.00037	0.00981	0.001	2.978	-0.012	8	533
540	540	-0.69124	-0.65288	0.05738	0.00037	0.00981	0.001	2.978	-0.012	8	534
541	541	-0.69003	-0.65177	0.05739	0.00037	0.00981	0.001	2.979	-0.012	8	535
542	542	-0.68765	-0.64958	0.05740	0.00036	0.00982	0.001	2.979	-0.012	8	536
543	543	-0.68630	-0.64834	0.05741	0.00036	0.00982	0.001	2.979	-0.012	8	537
544	544	-0.68575	-0.64784	0.05741	0.00036	0.00982	0.001	2.979	-0.012	8	538
545	545	-0.68510	-0.64724	0.05742	0.00036	0.00982	0.001	2.979	-0.012	8	539
546	546	-0.68510	-0.64724	0.05742	0.00036	0.00982	0.001	2.979	-0.012	8	540
547	547	-0.68427	-0.64648	0.05742	0.00036	0.00982	0.001	2.979	-0.012	8	541
548	548	-0.68337	-0.64565	0.05743	0.00036	0.00982	0.001	2.979	-0.012	8	542
549	549	-0.68169	-0.64411	0.05744	0.00036	0.00983	0.001	2.979	-0.012	8	543
550	550	-0.68035	-0.64288	0.05745	0.00036	0.00983	0.001	2.979	-0.012	8	544
551	551	-0.68012	-0.64266	0.05745	0.00036	0.00983	0.001	2.979	-0.012	8	545
552	552	-0.67962	-0.64220	0.05745	0.00036	0.00983	0.001	2.979	-0.012	8	546
553	553	-0.67639	-0.63923	0.05747	0.00035	0.00984	0.001	2.980	-0.011	8	547
554	554	-0.67404	-0.63707	0.05748	0.00035	0.00985	0.001	2.980	-0.011	8	548
555	555	-0.67385	-0.63689	0.05748	0.00035	0.00985	0.001	2.980	-0.011	8	549
556	556	-0.67377	-0.63683	0.05748	0.00035	0.00985	0.001	2.980	-0.011	8	550
557	557	-0.67057	-0.63388	0.05750	0.00035	0.00985	0.001	2.980	-0.011	8	551
558	558	-0.66749	-0.63104	0.05752	0.00034	0.00986	0.001	2.980	-0.011	8	552
559	559	-0.66632	-0.62997	0.05752	0.00034	0.00986	0.001	2.980	-0.011	8	553
560	560	-0.66604	-0.62971	0.05752	0.00034	0.00986	0.001	2.980	-0.011	8	554
561	561	-0.66521	-0.62895	0.05753	0.00034	0.00986	0.001	2.980	-0.011	8	555
562	562	-0.66398	-0.62782	0.05754	0.00034	0.00987	0.001	2.980	-0.011	8	556
563	563	-0.66394	-0.62778	0.05754	0.00034	0.00987	0.001	2.980	-0.011	8	557
564	564	-0.66298	-0.62689	0.05754	0.00034	0.00987	0.001	2.981	-0.011	8	558
565	565	-0.66209	-0.62608	0.05755	0.00034	0.00987	0.001	2.981	-0.011	8	559
566	566	-0.66196	-0.62595	0.05755	0.00034	0.00987	0.001	2.981	-0.011	8	560
567	567	-0.66112	-0.62518	0.05755	0.00034	0.00987	0.001	2.981	-0.011	8	561
568	568	-0.66075	-0.62484	0.05755	0.00034	0.00987	0.001	2.981	-0.011	8	562
569	569	-0.65782	-0.62214	0.05757	0.00033	0.00988	0.001	2.981	-0.011	8	563
570	570	-0.65778	-0.62211	0.05757	0.00033	0.00988	0.001	2.981	-0.011	8	564
571	571	-0.65752	-0.62187	0.05757	0.00033	0.00988	0.001	2.981	-0.011	8	565

TABLE A-3 (Continued)

572	572	-0.65284	-0.61756	0.05760	0.00033	0.00989	0.001	2.981	-0.011	8	566
573	573	-0.65241	-0.61716	0.05760	0.00033	0.00989	0.001	2.981	-0.011	8	567
574	574	-0.65092	-0.61579	0.05761	0.00033	0.00989	0.001	2.981	-0.011	8	568
575	575	-0.65020	-0.61512	0.05761	0.00032	0.00989	0.001	2.981	-0.011	8	569
576	576	-0.64915	-0.61415	0.05761	0.00032	0.00990	0.001	2.981	-0.011	8	570
577	577	-0.64897	-0.61399	0.05762	0.00032	0.00990	0.001	2.981	-0.011	8	571
578	578	-0.64702	-0.61219	0.05763	0.00032	0.00990	0.001	2.982	-0.011	8	572
579	579	-0.64693	-0.61211	0.05763	0.00032	0.00990	0.001	2.982	-0.011	8	573
580	580	-0.64629	-0.61152	0.05763	0.00032	0.00990	0.001	2.982	-0.010	8	574
581	581	-0.64580	-0.61107	0.05763	0.00032	0.00990	0.001	2.982	-0.010	8	575
582	582	-0.64578	-0.61105	0.05763	0.00032	0.00990	0.001	2.982	-0.010	8	576
583	583	-0.64454	-0.60991	0.05764	0.00032	0.00991	0.001	2.982	-0.010	8	577
584	584	-0.64237	-0.60790	0.05765	0.00032	0.00991	0.001	2.982	-0.010	8	578
585	585	-0.64221	-0.60775	0.05765	0.00032	0.00991	0.001	2.982	-0.010	8	579
586	586	-0.64103	-0.60667	0.05766	0.00032	0.00991	0.001	2.982	-0.010	8	580
587	587	-0.63991	-0.60563	0.05766	0.00031	0.00991	0.001	2.982	-0.010	8	581
588	588	-0.63870	-0.60452	0.05767	0.00031	0.00992	0.001	2.982	-0.010	8	582
589	589	-0.63865	-0.60447	0.05767	0.00031	0.00992	0.001	2.982	-0.010	8	583
590	590	-0.63769	-0.60359	0.05767	0.00031	0.00992	0.001	2.982	-0.010	8	584
591	591	-0.63728	-0.60321	0.05767	0.00031	0.00992	0.001	2.982	-0.010	8	585
592	592	-0.63581	-0.60185	0.05768	0.00031	0.00992	0.001	2.982	-0.010	8	586
593	593	-0.63332	-0.59955	0.05769	0.00031	0.00993	0.000	2.982	-0.010	8	587
594	594	-0.63316	-0.59940	0.05770	0.00031	0.00993	0.000	2.982	-0.010	8	588
595	595	-0.63208	-0.59841	0.05770	0.00031	0.00993	0.000	2.982	-0.010	8	589
596	596	-0.63131	-0.59770	0.05770	0.00031	0.00993	0.000	2.982	-0.010	8	590
597	597	-0.62994	-0.59643	0.05771	0.00031	0.00993	0.000	2.983	-0.010	8	591
598	598	-0.62958	-0.59610	0.05771	0.00030	0.00993	0.000	2.983	-0.010	8	592
599	599	-0.62904	-0.59560	0.05772	0.00030	0.00994	0.000	2.983	-0.010	8	593
600	600	-0.62775	-0.59440	0.05772	0.00030	0.00994	0.000	2.983	-0.010	8	594
601	601	-0.62577	-0.59258	0.05773	0.00030	0.00994	0.000	2.983	-0.010	8	595
602	602	-0.62562	-0.59244	0.05773	0.00030	0.00994	0.000	2.983	-0.010	8	596
603	603	-0.62456	-0.59146	0.05774	0.00030	0.00994	0.000	2.983	-0.010	8	597
604	604	-0.62424	-0.59116	0.05774	0.00030	0.00994	0.000	2.983	-0.010	8	598
605	605	-0.62263	-0.58968	0.05775	0.00030	0.00995	0.000	2.983	-0.010	8	599
606	606	-0.62231	-0.58938	0.05775	0.00030	0.00995	0.000	2.983	-0.010	8	600
607	607	-0.62182	-0.58893	0.05775	0.00030	0.00995	0.000	2.983	-0.010	8	601
608	608	-0.62082	-0.58801	0.05776	0.00030	0.00995	0.000	2.983	-0.010	8	602
609	609	-0.61918	-0.58649	0.05776	0.00030	0.00995	0.000	2.983	-0.010	8	603
610	610	-0.61624	-0.58377	0.05778	0.00029	0.00996	0.000	2.983	-0.010	8	604
611	611	-0.61508	-0.58270	0.05778	0.00029	0.00996	0.000	2.983	-0.010	8	605
612	612	-0.61478	-0.58242	0.05778	0.00029	0.00996	0.000	2.983	-0.010	8	606
613	613	-0.61435	-0.58202	0.05779	0.00029	0.00996	0.000	2.983	-0.010	8	607
614	614	-0.61283	-0.58062	0.05779	0.00029	0.00996	0.000	2.983	-0.009	8	608
615	615	-0.61268	-0.58048	0.05779	0.00029	0.00996	0.000	2.983	-0.009	8	609
616	616	-0.61246	-0.58028	0.05779	0.00029	0.00997	0.000	2.983	-0.009	8	610
617	617	-0.61243	-0.58025	0.05779	0.00029	0.00997	0.000	2.983	-0.009	8	611
618	618	-0.61194	-0.57980	0.05780	0.00029	0.00997	0.000	2.984	-0.009	8	612
619	619	-0.60976	-0.57778	0.05781	0.00029	0.00997	0.000	2.984	-0.009	8	613
620	620	-0.60936	-0.57741	0.05781	0.00029	0.00997	0.000	2.984	-0.009	8	614
621	621	-0.60886	-0.57695	0.05781	0.00029	0.00997	0.000	2.984	-0.009	8	615
622	622	-0.60857	-0.57668	0.05781	0.00029	0.00997	0.000	2.984	-0.009	8	616
623	623	-0.60713	-0.57535	0.05782	0.00028	0.00997	0.000	2.984	-0.009	8	617
624	624	-0.60708	-0.57531	0.05782	0.00028	0.00997	0.000	2.984	-0.009	8	618
625	625	-0.60653	-0.57480	0.05782	0.00028	0.00998	0.000	2.984	-0.009	8	619
626	626	-0.60561	-0.57394	0.05783	0.00028	0.00998	0.000	2.984	-0.009	8	620
627	627	-0.60447	-0.57288	0.05783	0.00028	0.00998	0.000	2.984	-0.009	8	621
628	628	-0.60347	-0.57196	0.05784	0.00028	0.00998	0.000	2.984	-0.009	8	622
629	629	-0.60269	-0.57124	0.05784	0.00028	0.00998	0.000	2.984	-0.009	8	623
630	630	-0.60206	-0.57066	0.05784	0.00028	0.00998	0.000	2.984	-0.009	8	624
631	631	-0.60205	-0.57065	0.05784	0.00028	0.00998	0.000	2.984	-0.009	8	625
632	632	-0.59964	-0.56842	0.05785	0.00028	0.00999	0.000	2.984	-0.009	8	626
633	633	-0.59856	-0.56742	0.05786	0.00028	0.00999	0.000	2.984	-0.009	8	627
634	634	-0.59400	-0.56319	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	628
635	635	-0.59383	-0.56303	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	629
636	636	-0.59349	-0.56272	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	630
637	637	-0.59333	-0.56257	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	631

TABLE A-3 (Continued)

638	638	-0.59273	-0.56202	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	632
639	639	-0.59236	-0.56168	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	633
640	640	-0.59227	-0.56159	0.05788	0.00027	0.01000	0.000	2.984	-0.009	8	634
641	641	-0.59174	-0.56110	0.05789	0.00027	0.01000	0.000	2.985	-0.009	8	635
642	642	-0.59114	-0.56054	0.05789	0.00027	0.01000	0.000	2.985	-0.009	8	636
643	643	-0.59048	-0.55993	0.05789	0.00027	0.01000	0.000	2.985	-0.009	8	637
644	644	-0.58902	-0.55859	0.05790	0.00027	0.01001	0.000	2.985	-0.009	8	638
645	645	-0.58819	-0.55781	0.05790	0.00027	0.01001	0.000	2.985	-0.009	8	639
646	646	-0.58776	-0.55742	0.05790	0.00027	0.01001	0.000	2.985	-0.009	8	640
647	647	-0.58649	-0.55624	0.05791	0.00027	0.01001	0.000	2.985	-0.009	8	641
648	648	-0.58595	-0.55574	0.05791	0.00027	0.01001	0.000	2.985	-0.009	8	642
649	649	-0.58336	-0.55333	0.05792	0.00026	0.01001	0.000	2.985	-0.009	8	643
650	650	-0.58262	-0.55265	0.05793	0.00026	0.01002	0.000	2.985	-0.009	8	644
651	651	-0.58259	-0.55262	0.05793	0.00026	0.01002	0.000	2.985	-0.009	8	645
652	652	-0.58252	-0.55256	0.05793	0.00026	0.01002	0.000	2.985	-0.009	8	646
653	653	-0.58247	-0.55251	0.05793	0.00026	0.01002	0.000	2.985	-0.009	8	647
654	654	-0.57830	-0.54864	0.05794	0.00026	0.01002	0.000	2.985	-0.009	8	648
655	655	-0.57688	-0.54733	0.05795	0.00026	0.01002	0.000	2.985	-0.008	8	649
656	656	-0.57622	-0.54672	0.05795	0.00026	0.01003	0.000	2.985	-0.008	8	650
657	657	-0.57507	-0.54565	0.05796	0.00026	0.01003	0.000	2.985	-0.008	8	651
658	658	-0.57439	-0.54502	0.05796	0.00026	0.01003	0.000	2.985	-0.008	8	652
659	659	-0.57387	-0.54454	0.05796	0.00026	0.01003	0.000	2.985	-0.008	8	653
660	660	-0.57065	-0.54155	0.05798	0.00025	0.01003	0.000	2.985	-0.008	8	654
661	661	-0.57046	-0.54138	0.05798	0.00025	0.01004	0.000	2.985	-0.008	8	655
662	662	-0.57046	-0.54137	0.05798	0.00025	0.01004	0.000	2.985	-0.008	8	656
663	663	-0.56962	-0.54060	0.05798	0.00025	0.01004	0.000	2.986	-0.008	8	657
664	664	-0.56900	-0.54003	0.05798	0.00025	0.01004	0.000	2.986	-0.008	8	658
665	665	-0.56776	-0.53887	0.05799	0.00025	0.01004	0.000	2.986	-0.008	8	659
666	666	-0.56672	-0.53791	0.05799	0.00025	0.01004	0.000	2.986	-0.008	8	660
667	667	-0.56456	-0.53591	0.05800	0.00025	0.01004	0.000	2.986	-0.008	8	661
668	668	-0.56106	-0.53266	0.05801	0.00025	0.01005	0.000	2.986	-0.008	8	662
669	669	-0.55979	-0.53147	0.05802	0.00025	0.01005	0.000	2.986	-0.008	8	663
670	670	-0.55923	-0.53096	0.05802	0.00025	0.01005	0.000	2.986	-0.008	8	664
671	671	-0.55462	-0.52668	0.05804	0.00024	0.01006	0.000	2.986	-0.008	8	665
672	672	-0.55459	-0.52665	0.05804	0.00024	0.01006	0.000	2.986	-0.008	8	666
673	673	-0.55344	-0.52558	0.05804	0.00024	0.01006	0.000	2.986	-0.008	8	667
674	674	-0.55013	-0.52251	0.05806	0.00024	0.01007	0.000	2.986	-0.008	8	668
675	675	-0.54855	-0.52104	0.05806	0.00024	0.01007	0.000	2.986	-0.008	8	669
676	676	-0.54656	-0.51919	0.05807	0.00024	0.01007	0.000	2.986	-0.008	8	670
677	677	-0.54578	-0.51846	0.05807	0.00024	0.01007	0.000	2.986	-0.008	8	671
678	678	-0.54528	-0.51800	0.05808	0.00024	0.01007	0.000	2.986	-0.008	8	672
679	679	-0.54469	-0.51745	0.05808	0.00024	0.01007	0.000	2.987	-0.008	8	673
680	680	-0.54458	-0.51735	0.05808	0.00023	0.01007	0.000	2.987	-0.008	8	674
681	681	-0.54386	-0.51668	0.05808	0.00023	0.01007	0.000	2.987	-0.008	8	675
682	682	-0.54218	-0.51512	0.05809	0.00023	0.01008	0.000	2.987	-0.008	8	676
683	683	-0.54195	-0.51491	0.05809	0.00023	0.01008	0.000	2.987	-0.008	8	677
684	684	-0.54184	-0.51480	0.05809	0.00023	0.01008	0.000	2.987	-0.008	8	678
685	685	-0.54157	-0.51455	0.05809	0.00023	0.01008	0.000	2.987	-0.008	8	679
686	686	-0.53989	-0.51299	0.05810	0.00023	0.01008	0.000	2.987	-0.007	8	680
687	687	-0.53969	-0.51281	0.05810	0.00023	0.01008	0.000	2.987	-0.007	8	681
688	688	-0.53965	-0.51277	0.05810	0.00023	0.01008	0.000	2.987	-0.007	8	682
689	689	-0.53836	-0.51156	0.05810	0.00023	0.01008	0.000	2.987	-0.007	8	683
690	690	-0.53784	-0.51109	0.05810	0.00023	0.01008	0.000	2.987	-0.007	8	684
691	691	-0.53650	-0.50984	0.05811	0.00023	0.01009	0.000	2.987	-0.007	8	685
692	692	-0.53415	-0.50766	0.05812	0.00023	0.01009	0.000	2.987	-0.007	8	686
693	693	-0.53361	-0.50715	0.05812	0.00023	0.01009	0.000	2.987	-0.007	8	687
694	694	-0.53339	-0.50695	0.05812	0.00023	0.01009	0.000	2.987	-0.007	8	688
695	695	-0.53309	-0.50667	0.05812	0.00023	0.01009	0.000	2.987	-0.007	8	689
696	696	-0.53140	-0.50509	0.05813	0.00023	0.01009	0.000	2.987	-0.007	8	690
697	697	-0.52966	-0.50348	0.05813	0.00022	0.01009	0.000	2.987	-0.007	8	691
698	698	-0.52875	-0.50263	0.05814	0.00022	0.01010	0.000	2.987	-0.007	8	692
699	699	-0.52723	-0.50122	0.05814	0.00022	0.01010	0.000	2.987	-0.007	8	693
700	700	-0.52705	-0.50105	0.05814	0.00022	0.01010	0.000	2.987	-0.007	8	694
701	701	-0.52518	-0.49931	0.05815	0.00022	0.01010	0.000	2.987	-0.007	8	695
702	702	-0.52435	-0.49854	0.05815	0.00022	0.01010	0.000	2.987	-0.007	8	696
703	703	-0.52408	-0.49829	0.05815	0.00022	0.01010	0.000	2.987	-0.007	8	697

TABLE A-3 (Continued)

704	704	-0.52171	-0.49608	0.05816	0.00022	0.01011	0.000	2.987	-0.007	8	698
705	705	-0.51863	-0.49321	0.05817	0.00022	0.01011	0.000	2.987	-0.007	8	699
706	706	-0.51858	-0.49317	0.05817	0.00022	0.01011	0.000	2.987	-0.007	8	700
707	707	-0.51633	-0.49107	0.05818	0.00022	0.01011	0.000	2.988	-0.007	8	701
708	708	-0.51159	-0.48666	0.05820	0.00021	0.01012	0.000	2.988	-0.007	8	702
709	709	-0.51107	-0.48618	0.05820	0.00021	0.01012	0.000	2.988	-0.007	8	703
710	710	-0.50985	-0.48505	0.05820	0.00021	0.01012	0.000	2.988	-0.007	8	704
711	711	-0.50962	-0.48483	0.05820	0.00021	0.01012	0.000	2.988	-0.007	8	705
712	712	-0.50836	-0.48365	0.05821	0.00021	0.01012	0.000	2.988	-0.007	8	706
713	713	-0.50731	-0.48267	0.05821	0.00021	0.01012	0.000	2.988	-0.007	8	707
714	714	-0.50666	-0.48207	0.05821	0.00021	0.01012	0.000	2.988	-0.007	8	708
715	715	-0.50473	-0.48027	0.05822	0.00021	0.01013	0.000	2.988	-0.007	8	709
716	716	-0.50143	-0.47720	0.05823	0.00021	0.01013	0.000	2.988	-0.007	8	710
717	717	-0.50082	-0.47663	0.05823	0.00020	0.01013	0.000	2.988	-0.007	8	711
718	718	-0.49844	-0.47441	0.05824	0.00020	0.01014	0.000	2.988	-0.006	8	712
719	719	-0.49785	-0.47386	0.05824	0.00020	0.01014	0.000	2.988	-0.006	8	713
720	720	-0.49747	-0.47351	0.05824	0.00020	0.01014	0.000	2.988	-0.006	8	714
721	721	-0.49557	-0.47173	0.05825	0.00020	0.01014	0.000	2.988	-0.006	8	715
722	722	-0.49373	-0.47002	0.05825	0.00020	0.01014	0.000	2.988	-0.006	8	716
723	723	-0.49266	-0.46902	0.05826	0.00020	0.01014	0.000	2.988	-0.006	8	717
724	724	-0.49234	-0.46873	0.05826	0.00020	0.01014	0.000	2.988	-0.006	8	718
725	725	-0.49177	-0.46820	0.05826	0.00020	0.01014	0.000	2.988	-0.006	8	719
726	726	-0.49172	-0.46815	0.05826	0.00020	0.01014	0.000	2.988	-0.006	8	720
727	727	-0.49127	-0.46773	0.05826	0.00020	0.01014	0.000	2.988	-0.006	8	721
728	728	-0.48853	-0.46518	0.05827	0.00020	0.01015	0.000	2.988	-0.006	8	722
729	729	-0.48728	-0.46401	0.05828	0.00020	0.01015	0.000	2.988	-0.006	8	723
730	730	-0.48643	-0.46321	0.05828	0.00020	0.01015	0.000	2.988	-0.006	8	724
731	731	-0.48637	-0.46316	0.05828	0.00020	0.01015	0.000	2.988	-0.006	8	725
732	732	-0.48361	-0.46059	0.05829	0.00019	0.01015	0.000	2.989	-0.006	8	726
733	733	-0.48333	-0.46032	0.05829	0.00019	0.01015	0.000	2.989	-0.006	8	727
734	734	-0.48261	-0.45965	0.05829	0.00019	0.01015	0.000	2.989	-0.006	8	728
735	735	-0.48148	-0.45860	0.05829	0.00019	0.01016	0.000	2.989	-0.006	8	729
736	736	-0.48109	-0.45823	0.05829	0.00019	0.01016	0.000	2.989	-0.006	8	730
737	737	-0.48026	-0.45747	0.05830	0.00019	0.01016	0.000	2.989	-0.006	8	731
738	738	-0.47925	-0.45652	0.05830	0.00019	0.01016	0.000	2.989	-0.006	8	732
739	739	-0.47923	-0.45651	0.05830	0.00019	0.01016	0.000	2.989	-0.006	8	733
740	740	-0.47878	-0.45608	0.05830	0.00019	0.01016	0.000	2.989	-0.006	8	734
741	741	-0.47727	-0.45468	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	735
742	742	-0.47665	-0.45409	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	736
743	743	-0.47574	-0.45325	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	737
744	744	-0.47573	-0.45323	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	738
745	745	-0.47544	-0.45297	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	739
746	746	-0.47510	-0.45265	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	740
747	747	-0.47479	-0.45236	0.05831	0.00019	0.01016	0.000	2.989	-0.006	8	741
748	748	-0.47047	-0.44833	0.05833	0.00019	0.01017	0.000	2.989	-0.006	8	742
749	749	-0.47024	-0.44811	0.05833	0.00019	0.01017	0.000	2.989	-0.006	8	743
750	750	-0.46883	-0.44680	0.05833	0.00018	0.01017	0.000	2.989	-0.006	8	744
751	751	-0.46824	-0.44625	0.05833	0.00018	0.01017	0.000	2.989	-0.006	8	745
752	752	-0.46782	-0.44585	0.05833	0.00018	0.01017	0.000	2.989	-0.006	8	746
753	753	-0.46600	-0.44416	0.05834	0.00018	0.01017	0.000	2.989	-0.006	8	747
754	754	-0.46569	-0.44387	0.05834	0.00018	0.01017	0.000	2.989	-0.006	8	748
755	755	-0.46401	-0.44230	0.05835	0.00018	0.01018	0.000	2.989	-0.006	8	749
756	756	-0.46339	-0.44172	0.05835	0.00018	0.01018	0.000	2.989	-0.006	8	750
757	757	-0.46170	-0.44015	0.05835	0.00018	0.01018	0.000	2.989	-0.006	8	751
758	758	-0.45942	-0.43801	0.05836	0.00018	0.01018	0.000	2.989	-0.006	8	752
759	759	-0.45659	-0.43538	0.05837	0.00018	0.01018	0.000	2.989	-0.005	8	753
760	760	-0.45630	-0.43510	0.05837	0.00018	0.01018	0.000	2.989	-0.005	8	754
761	761	-0.45477	-0.43367	0.05837	0.00018	0.01019	0.000	2.989	-0.005	8	755
762	762	-0.45371	-0.43269	0.05838	0.00018	0.01019	0.000	2.989	-0.005	8	756
763	763	-0.45302	-0.43204	0.05838	0.00018	0.01019	0.000	2.989	-0.005	8	757
764	764	-0.45278	-0.43182	0.05838	0.00018	0.01019	0.000	2.989	-0.005	8	758
765	765	-0.45155	-0.43067	0.05838	0.00017	0.01019	0.000	2.989	-0.005	8	759
766	766	-0.45037	-0.42956	0.05838	0.00017	0.01019	0.000	2.989	-0.005	8	760
767	767	-0.44762	-0.42699	0.05839	0.00017	0.01019	0.000	2.990	-0.005	8	761
768	768	-0.44633	-0.42579	0.05840	0.00017	0.01019	0.000	2.990	-0.005	8	762
769	769	-0.44588	-0.42536	0.05840	0.00017	0.01020	0.000	2.990	-0.005	8	763

TABLE A-3 (Continued)

770	770	-0.44325	-0.42291	0.05840	0.00017	0.01020	0.000	2.990	-0.005	8	764
771	771	-0.44215	-0.42188	0.05841	0.00017	0.01020	0.000	2.990	-0.005	8	765
772	772	-0.44196	-0.42170	0.05841	0.00017	0.01020	0.000	2.990	-0.005	8	766
773	773	-0.43962	-0.41952	0.05841	0.00017	0.01020	0.000	2.990	-0.005	8	767
774	774	-0.43959	-0.41949	0.05841	0.00017	0.01020	0.000	2.990	-0.005	8	768
775	775	-0.43889	-0.41883	0.05842	0.00017	0.01020	0.000	2.990	-0.005	8	769
776	776	-0.43886	-0.41881	0.05842	0.00017	0.01020	0.000	2.990	-0.005	8	770
777	777	-0.43878	-0.41873	0.05842	0.00017	0.01020	0.000	2.990	-0.005	8	771
778	778	-0.43702	-0.41709	0.05842	0.00017	0.01020	0.000	2.990	-0.005	8	772
779	779	-0.43570	-0.41585	0.05842	0.00017	0.01021	0.000	2.990	-0.005	8	773
780	780	-0.43449	-0.41473	0.05843	0.00017	0.01021	0.000	2.990	-0.005	8	774
781	781	-0.43255	-0.41291	0.05843	0.00016	0.01021	0.000	2.990	-0.005	8	775
782	782	-0.43166	-0.41207	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	776
783	783	-0.43145	-0.41188	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	777
784	784	-0.43135	-0.41179	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	778
785	785	-0.43131	-0.41174	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	779
786	786	-0.43027	-0.41078	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	780
787	787	-0.43001	-0.41053	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	781
788	788	-0.42951	-0.41007	0.05844	0.00016	0.01021	0.000	2.990	-0.005	8	782
789	789	-0.42741	-0.40811	0.05845	0.00016	0.01021	0.000	2.990	-0.005	8	783
790	790	-0.42698	-0.40770	0.05845	0.00016	0.01021	0.000	2.990	-0.005	8	784
791	791	-0.42423	-0.40513	0.05845	0.00016	0.01022	0.000	2.990	-0.005	8	785
792	792	-0.42252	-0.40353	0.05846	0.00016	0.01022	0.000	2.990	-0.005	8	786
793	793	-0.42175	-0.40281	0.05846	0.00016	0.01022	0.000	2.990	-0.005	8	787
794	794	-0.42173	-0.40279	0.05846	0.00016	0.01022	0.000	2.990	-0.005	8	788
795	795	-0.42108	-0.40218	0.05846	0.00016	0.01022	0.000	2.990	-0.005	8	789
796	796	-0.41979	-0.40098	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	790
797	797	-0.41963	-0.40083	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	791
798	798	-0.41957	-0.40077	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	792
799	799	-0.41946	-0.40067	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	793
800	800	-0.41937	-0.40059	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	794
801	801	-0.41881	-0.40006	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	795
802	802	-0.41826	-0.39955	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	796
803	803	-0.41690	-0.39827	0.05847	0.00016	0.01022	0.000	2.990	-0.005	8	797
804	804	-0.41463	-0.39615	0.05848	0.00015	0.01023	0.000	2.990	-0.005	8	798
805	805	-0.41463	-0.39615	0.05848	0.00015	0.01023	0.000	2.990	-0.005	8	799
806	806	-0.41365	-0.39523	0.05848	0.00015	0.01023	0.000	2.990	-0.005	8	800
807	807	-0.41339	-0.39498	0.05848	0.00015	0.01023	0.000	2.990	-0.005	8	801
808	808	-0.41029	-0.39209	0.05849	0.00015	0.01023	0.000	2.990	-0.004	8	802
809	809	-0.40912	-0.39100	0.05849	0.00015	0.01023	0.000	2.990	-0.004	8	803
810	810	-0.40734	-0.38933	0.05850	0.00015	0.01023	0.000	2.990	-0.004	8	804
811	811	-0.40703	-0.38904	0.05850	0.00015	0.01023	0.000	2.990	-0.004	8	805
812	812	-0.40682	-0.38884	0.05850	0.00015	0.01023	0.000	2.991	-0.004	8	806
813	813	-0.40632	-0.38837	0.05850	0.00015	0.01023	0.000	2.991	-0.004	8	807
814	814	-0.40554	-0.38764	0.05850	0.00015	0.01023	0.000	2.991	-0.004	8	808
815	815	-0.40460	-0.38677	0.05850	0.00015	0.01024	0.000	2.991	-0.004	8	809
816	816	-0.40322	-0.38547	0.05851	0.00015	0.01024	0.000	2.991	-0.004	8	810
817	817	-0.40315	-0.38540	0.05851	0.00015	0.01024	0.000	2.991	-0.004	8	811
818	818	-0.40261	-0.38490	0.05851	0.00015	0.01024	0.000	2.991	-0.004	8	812
819	819	-0.40243	-0.38473	0.05851	0.00015	0.01024	0.000	2.991	-0.004	8	813
820	820	-0.40023	-0.38267	0.05851	0.00015	0.01024	0.000	2.991	-0.004	8	814
821	821	-0.39815	-0.38072	0.05852	0.00015	0.01024	0.000	2.991	-0.004	8	815
822	822	-0.39638	-0.37907	0.05852	0.00015	0.01024	0.000	2.991	-0.004	8	816
823	823	-0.39557	-0.37831	0.05852	0.00014	0.01024	0.000	2.991	-0.004	8	817
824	824	-0.39554	-0.37828	0.05852	0.00014	0.01024	0.000	2.991	-0.004	8	818
825	825	-0.39513	-0.37790	0.05853	0.00014	0.01024	0.000	2.991	-0.004	8	819
826	826	-0.39131	-0.37432	0.05853	0.00014	0.01025	0.000	2.991	-0.004	8	820
827	827	-0.39021	-0.37328	0.05854	0.00014	0.01025	0.000	2.991	-0.004	8	821
828	828	-0.38964	-0.37276	0.05854	0.00014	0.01025	0.000	2.991	-0.004	8	822
829	829	-0.38857	-0.37175	0.05854	0.00014	0.01025	0.000	2.991	-0.004	8	823
830	830	-0.38751	-0.37076	0.05854	0.00014	0.01025	0.000	2.991	-0.004	8	824
831	831	-0.38597	-0.36931	0.05855	0.00014	0.01025	0.000	2.991	-0.004	8	825
832	832	-0.38586	-0.36921	0.05855	0.00014	0.01025	0.000	2.991	-0.004	8	826
833	833	-0.38560	-0.36897	0.05855	0.00014	0.01025	0.000	2.991	-0.004	8	827
834	834	-0.38480	-0.36822	0.05855	0.00014	0.01025	0.000	2.991	-0.004	8	828
835	835	-0.38431	-0.36776	0.05855	0.00014	0.01025	0.000	2.991	-0.004	8	829

TABLE A-3 (Continued)

836	836	-0.38175	-0.36537	0.05856	0.00014	0.01026	0.000	2.991	-0.004	8	830
837	837	-0.37963	-0.36339	0.05856	0.00014	0.01026	0.000	2.991	-0.004	8	831
838	838	-0.37864	-0.36245	0.05856	0.00014	0.01026	0.000	2.991	-0.004	8	832
839	839	-0.37450	-0.35857	0.05857	0.00013	0.01026	0.000	2.991	-0.004	8	833
840	840	-0.37411	-0.35821	0.05857	0.00013	0.01026	0.000	2.991	-0.004	8	834
841	841	-0.37362	-0.35774	0.05857	0.00013	0.01026	0.000	2.991	-0.004	8	835
842	842	-0.37209	-0.35631	0.05858	0.00013	0.01026	0.000	2.991	-0.004	8	836
843	843	-0.37207	-0.35629	0.05858	0.00013	0.01026	0.000	2.991	-0.004	8	837
844	844	-0.37010	-0.35445	0.05858	0.00013	0.01026	0.000	2.991	-0.004	8	838
845	845	-0.36942	-0.35381	0.05858	0.00013	0.01027	0.000	2.991	-0.004	8	839
846	846	-0.36861	-0.35305	0.05858	0.00013	0.01027	0.000	2.991	-0.004	8	840
847	847	-0.36711	-0.35164	0.05859	0.00013	0.01027	0.000	2.991	-0.004	8	841
848	848	-0.36677	-0.35132	0.05859	0.00013	0.01027	0.000	2.991	-0.004	8	842
849	849	-0.36664	-0.35120	0.05859	0.00013	0.01027	0.000	2.991	-0.004	8	843
850	850	-0.36229	-0.34712	0.05860	0.00013	0.01027	0.000	2.991	-0.004	8	844
851	851	-0.36109	-0.34600	0.05860	0.00013	0.01027	0.000	2.991	-0.003	8	845
852	852	-0.35919	-0.34422	0.05860	0.00013	0.01027	0.000	2.991	-0.003	8	846
853	853	-0.35838	-0.34346	0.05860	0.00013	0.01027	0.000	2.991	-0.003	8	847
854	854	-0.35567	-0.34092	0.05861	0.00013	0.01028	0.000	2.991	-0.003	8	848
855	855	-0.35362	-0.33900	0.05861	0.00012	0.01028	0.000	2.992	-0.003	8	849
856	856	-0.35103	-0.33657	0.05862	0.00012	0.01028	0.000	2.992	-0.003	8	850
857	857	-0.35045	-0.33602	0.05862	0.00012	0.01028	0.000	2.992	-0.003	8	851
858	858	-0.34862	-0.33430	0.05862	0.00012	0.01028	0.000	2.992	-0.003	8	852
859	859	-0.34842	-0.33412	0.05862	0.00012	0.01028	0.000	2.992	-0.003	8	853
860	860	-0.34800	-0.33372	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	854
861	861	-0.34711	-0.33289	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	855
862	862	-0.34686	-0.33265	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	856
863	863	-0.34617	-0.33201	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	857
864	864	-0.34485	-0.33077	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	858
865	865	-0.34447	-0.33041	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	859
866	866	-0.34416	-0.33012	0.05863	0.00012	0.01028	0.000	2.992	-0.003	8	860
867	867	-0.34340	-0.32941	0.05863	0.00012	0.01029	0.000	2.992	-0.003	8	861
868	868	-0.34327	-0.32929	0.05863	0.00012	0.01029	0.000	2.992	-0.003	8	862
869	869	-0.33971	-0.32594	0.05864	0.00012	0.01029	0.000	2.992	-0.003	8	863
870	870	-0.33737	-0.32376	0.05865	0.00012	0.01029	0.000	2.992	-0.003	8	864
871	871	-0.33732	-0.32370	0.05865	0.00012	0.01029	0.000	2.992	-0.003	8	865
872	872	-0.33717	-0.32356	0.05865	0.00012	0.01029	0.000	2.992	-0.003	8	866
873	873	-0.33631	-0.32276	0.05865	0.00012	0.01029	0.000	2.992	-0.003	8	867
874	874	-0.33555	-0.32204	0.05865	0.00012	0.01029	0.000	2.992	-0.003	8	868
875	875	-0.33238	-0.31907	0.05865	0.00011	0.01029	0.000	2.992	-0.003	8	869
876	876	-0.33161	-0.31835	0.05866	0.00011	0.01029	0.000	2.992	-0.003	8	870
877	877	-0.33081	-0.31760	0.05866	0.00011	0.01029	0.000	2.992	-0.003	8	871
878	878	-0.32859	-0.31551	0.05866	0.00011	0.01030	0.000	2.992	-0.003	8	872
879	879	-0.32814	-0.31509	0.05866	0.00011	0.01030	0.000	2.992	-0.003	8	873
880	880	-0.32527	-0.31240	0.05867	0.00011	0.01030	0.000	2.992	-0.003	8	874
881	881	-0.32421	-0.31140	0.05867	0.00011	0.01030	0.000	2.992	-0.003	8	875
882	882	-0.32378	-0.31100	0.05867	0.00011	0.01030	0.000	2.992	-0.003	8	876
883	883	-0.32224	-0.30955	0.05867	0.00011	0.01030	0.000	2.992	-0.003	8	877
884	884	-0.32187	-0.30921	0.05867	0.00011	0.01030	0.000	2.992	-0.003	8	878
885	885	-0.31928	-0.30677	0.05868	0.00011	0.01030	0.000	2.992	-0.003	8	879
886	886	-0.31784	-0.30542	0.05868	0.00011	0.01030	0.000	2.992	-0.003	8	880
887	887	-0.31486	-0.30263	0.05869	0.00011	0.01030	0.000	2.992	-0.003	8	881
888	888	-0.31472	-0.30249	0.05869	0.00011	0.01030	0.000	2.992	-0.003	8	882
889	889	-0.31470	-0.30248	0.05869	0.00011	0.01030	0.000	2.992	-0.003	8	883
890	890	-0.31367	-0.30151	0.05869	0.00011	0.01031	0.000	2.992	-0.003	8	884
891	891	-0.31232	-0.30024	0.05869	0.00011	0.01031	0.000	2.992	-0.003	8	885
892	892	-0.31204	-0.29998	0.05869	0.00011	0.01031	0.000	2.992	-0.003	8	886
893	893	-0.30880	-0.29693	0.05870	0.00010	0.01031	0.000	2.992	-0.003	8	887
894	894	-0.30690	-0.29515	0.05870	0.00010	0.01031	0.000	2.992	-0.003	8	888
895	895	-0.30607	-0.29437	0.05870	0.00010	0.01031	0.000	2.992	-0.003	8	889
896	896	-0.30496	-0.29332	0.05870	0.00010	0.01031	0.000	2.992	-0.002	8	890
897	897	-0.30475	-0.29313	0.05870	0.00010	0.01031	0.000	2.992	-0.002	8	891
898	898	-0.30398	-0.29240	0.05870	0.00010	0.01031	0.000	2.992	-0.002	8	892
899	899	-0.30375	-0.29219	0.05870	0.00010	0.01031	0.000	2.992	-0.002	8	893
900	900	-0.30226	-0.29079	0.05871	0.00010	0.01031	0.000	2.992	-0.002	8	894
901	901	-0.30206	-0.29060	0.05871	0.00010	0.01031	0.000	2.992	-0.002	8	895

TABLE A-3 (Continued)

902	902	-0.30129	-0.28987	0.05871	0.00010	0.01031	0.000	2.992	-0.002	8	896
903	903	-0.30096	-0.28957	0.05871	0.00010	0.01031	0.000	2.992	-C.002	8	897
904	904	-0.29912	-0.28784	0.05871	0.00010	0.01031	0.000	2.992	-0.002	8	898
905	905	-0.29836	-0.28712	0.05871	0.00010	0.01032	C.000	2.992	-0.002	8	899
906	906	-0.29770	-0.28651	0.05871	0.00010	0.01032	0.000	2.992	-0.002	8	900
907	907	-0.29722	-0.28605	0.05871	0.00010	0.01032	0.000	2.992	-0.002	8	901
908	908	-0.29722	-0.28605	0.05871	0.00010	0.01032	0.000	2.992	-C.002	8	902
909	909	-0.29529	-0.28424	0.05872	0.00010	0.01032	0.000	2.992	-0.002	8	903
910	910	-0.29502	-0.28398	0.05872	0.00010	0.01032	0.000	2.992	-C.002	8	904
911	911	-0.29495	-0.28392	0.05872	0.00010	0.01032	0.000	2.992	-0.002	8	905
912	912	-0.29487	-0.28385	0.05872	0.00010	0.01032	0.000	2.992	-0.002	8	906
913	913	-0.29480	-0.28378	0.05872	0.00010	0.01032	0.000	2.992	-0.002	8	907
914	914	-0.29332	-0.28239	0.05872	0.00010	0.01032	0.000	2.992	-0.002	8	908
915	915	-0.29256	-0.28168	0.05872	0.00010	0.01032	0.000	2.992	-C.002	8	909
916	916	-0.29142	-0.28060	0.05872	0.00010	0.01032	0.000	2.992	-0.002	8	910
917	917	-0.28958	-0.27888	0.05873	0.00010	0.01032	0.000	2.992	-0.002	8	911
918	918	-0.28885	-0.27819	0.05873	0.00010	0.01032	0.000	2.992	-0.002	8	912
919	919	-0.28747	-0.27690	0.05873	0.00010	0.01032	0.000	2.992	-0.002	8	913
920	920	-0.28744	-0.27687	0.05873	0.00010	0.01032	0.000	2.992	-0.002	8	914
921	921	-0.28735	-0.27678	0.05873	0.00010	0.01032	0.000	2.992	-0.002	8	915
922	922	-0.28709	-0.27654	0.05873	0.00009	0.01032	0.000	2.992	-0.002	8	916
923	923	-0.28458	-0.27418	0.05873	0.00009	0.01032	0.000	2.993	-0.002	8	917
924	924	-0.28313	-0.27281	0.05874	0.00009	0.01032	0.000	2.993	-0.002	8	918
925	925	-0.28312	-0.27281	0.05874	0.00009	0.01032	0.000	2.993	-0.002	8	919
926	926	-0.28309	-0.27278	0.05874	0.00009	0.01032	0.000	2.993	-0.002	8	920
927	927	-0.28260	-0.27232	0.05874	0.00009	0.01032	0.000	2.993	-0.002	8	921
928	928	-0.28083	-0.27065	0.05874	0.00009	0.01033	0.000	2.993	-0.002	8	922
929	929	-0.27936	-0.26927	0.05874	0.00009	0.01033	0.000	2.993	-0.002	8	923
930	930	-0.27846	-0.26842	0.05874	0.00009	0.01033	0.000	2.993	-0.002	8	924
931	931	-0.27658	-0.26666	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	925
932	932	-0.27528	-0.26544	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	926
933	933	-0.27363	-0.26389	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	927
934	934	-0.27325	-0.26353	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	928
935	935	-0.27226	-0.26260	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	929
936	936	-0.27211	-0.26246	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	930
937	937	-0.27177	-0.26214	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	931
938	938	-0.27168	-0.26205	0.05875	0.00009	0.01033	0.000	2.993	-0.002	8	932
939	939	-0.26995	-0.26042	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	933
940	940	-0.26960	-0.26010	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	934
941	941	-0.26835	-0.25892	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	935
942	942	-0.26716	-0.25780	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	936
943	943	-0.26544	-0.25618	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	937
944	944	-0.26538	-0.25613	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	938
945	945	-0.26522	-0.25598	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	939
946	946	-0.26401	-0.25485	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	940
947	947	-0.26384	-0.25468	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	941
948	948	-0.26378	-0.25463	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	942
949	949	-0.26369	-0.25454	0.05876	0.00009	0.01033	0.000	2.993	-0.002	8	943
950	950	-0.26044	-0.25149	0.05877	0.00008	0.01034	0.000	2.993	-0.002	8	944
951	951	-0.26002	-0.25109	0.05877	0.00008	0.01034	0.000	2.993	-0.002	8	945
952	952	-0.25941	-0.25052	0.05877	0.00008	0.01034	0.000	2.993	-0.002	8	946
953	953	-0.25742	-0.24865	0.05877	0.00008	0.01034	0.000	2.993	-0.002	8	947
954	954	-0.25695	-0.24820	0.05877	0.00008	0.01034	0.000	2.993	-0.002	8	948
955	955	-0.25174	-0.24330	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	949
956	956	-0.25137	-0.24296	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	950
957	957	-0.25008	-0.24174	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	951
958	958	-0.24999	-0.24166	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	952
959	959	-0.24952	-0.24122	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	953
960	960	-0.24890	-0.24063	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	954
961	961	-0.24861	-0.24037	0.05878	0.00008	0.01034	0.000	2.993	-0.002	8	955
962	962	-0.24754	-0.23936	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	956
963	963	-0.24746	-0.23928	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	957
964	964	-0.24649	-0.23837	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	958
965	965	-0.24596	-0.23787	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	959
966	966	-0.24503	-0.23699	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	960
967	967	-0.24497	-0.23694	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	961

TABLE A-3 (Continued)

968	968	-0.24376	-0.23580	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	962
969	969	-0.24354	-0.23559	0.05879	0.00008	0.01034	0.000	2.993	-0.002	8	963
970	970	-0.24243	-0.23455	0.05879	0.00008	0.01035	0.000	2.993	-0.002	8	964
971	971	-0.24237	-0.23449	0.05879	0.00008	0.01035	0.000	2.993	-0.002	8	965
972	972	-0.24109	-0.23329	0.05879	0.00008	0.01035	0.000	2.993	-0.002	8	966
973	973	-0.23986	-0.23213	0.05880	0.00008	0.01035	0.000	2.993	-0.002	8	967
974	974	-0.23980	-0.23207	0.05880	0.00008	0.01035	0.000	2.993	-0.002	8	968
975	975	-0.23921	-0.23151	0.05880	0.00008	0.01035	0.000	2.993	-0.002	8	969
976	976	-0.23907	-0.23138	0.05880	0.00008	0.01035	0.000	2.993	-0.002	8	970
977	977	-0.23857	-0.23092	0.05880	0.00008	0.01035	0.000	2.993	-0.002	8	971
978	978	-0.23836	-0.23072	0.05880	0.00008	0.01035	0.000	2.993	-0.002	8	972
979	979	-0.23689	-0.22934	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	973
980	980	-0.23585	-0.22836	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	974
981	981	-0.23545	-0.22798	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	975
982	982	-0.23539	-0.22793	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	976
983	983	-0.23538	-0.22791	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	977
984	984	-0.23501	-0.22757	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	978
985	985	-0.23484	-0.22741	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	979
986	986	-0.23427	-0.22687	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	980
987	987	-0.23398	-0.22659	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	981
988	988	-0.23360	-0.22624	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	982
989	989	-0.23355	-0.22620	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	983
990	990	-0.23178	-0.22452	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	984
991	991	-0.23171	-0.22447	0.05880	0.00007	0.01035	0.000	2.993	-0.001	8	985
992	992	-0.23006	-0.22291	0.05881	0.00007	0.01035	0.000	2.993	-0.001	8	986
993	993	-0.22997	-0.22282	0.05881	0.00007	0.01035	0.000	2.993	-0.001	8	987
994	994	-0.22685	-0.21989	0.05881	0.00007	0.01035	0.000	2.993	-0.001	8	988
995	995	-0.22637	-0.21944	0.05881	0.00007	0.01035	0.000	2.993	-0.001	8	989
996	996	-0.22507	-0.21821	0.05881	0.00007	0.01035	0.000	2.993	-0.001	8	990
997	997	-0.22180	-0.21514	0.05882	0.00007	0.01035	0.000	2.993	-0.001	8	991
998	998	-0.22048	-0.21390	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	992
999	999	-0.22020	-0.21364	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	993
1000	1000	-0.21890	-0.21241	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	994
1001	1001	-0.21708	-0.21070	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	995
1002	1002	-0.21607	-0.20974	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	996
1003	1003	-0.21475	-0.20850	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	997
1004	1004	-0.21455	-0.20832	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	998
1005	1005	-0.21424	-0.20802	0.05882	0.00007	0.01036	0.000	2.993	-0.001	8	999
1006	1006	-0.21284	-0.20671	0.05883	0.00007	0.01036	0.000	2.993	-0.001	8	1000
1007	1007	-0.21245	-0.20633	0.05883	0.00007	0.01036	0.000	2.993	-0.001	8	1001
1008	1008	-0.21164	-0.20557	0.05883	0.00007	0.01036	0.000	2.993	-0.001	8	1002
1009	1009	-0.21128	-0.20524	0.05883	0.00007	0.01036	0.000	2.993	-0.001	8	1003
1010	1010	-0.21099	-0.20497	0.05883	0.00007	0.01036	0.000	2.993	-0.001	8	1004
1011	1011	-0.20984	-0.20388	0.05883	0.00006	0.01036	0.000	2.993	-0.001	8	1005
1012	1012	-0.20662	-0.20085	0.05883	0.00006	0.01036	0.000	2.993	-0.001	8	1006
1013	1013	-0.20612	-0.20038	0.05883	0.00006	0.01036	0.000	2.993	-0.001	8	1007
1014	1014	-0.20471	-0.19905	0.05883	0.00006	0.01036	0.000	2.993	-0.001	8	1008
1015	1015	-0.20413	-0.19850	0.05883	0.00006	0.01036	0.000	2.993	-0.001	8	1009
1016	1016	-0.20365	-0.19806	0.05884	0.00006	0.01036	0.000	2.993	-0.001	8	1010
1017	1017	-0.20056	-0.19515	0.05884	0.00006	0.01036	0.000	2.993	-0.001	8	1011
1018	1018	-0.19981	-0.19444	0.05884	0.00006	0.01036	0.000	2.993	-0.001	8	1012
1019	1019	-0.19487	-0.18979	0.05884	0.00006	0.01037	0.000	2.993	-0.001	8	1013
1020	1020	-0.19484	-0.18976	0.05884	0.00006	0.01037	0.000	2.993	-0.001	8	1014
1021	1021	-0.19207	-0.18716	0.05885	0.00006	0.01037	0.000	2.993	-0.001	8	1015
1022	1022	-0.19107	-0.18621	0.05885	0.00006	0.01037	0.000	2.993	-0.001	8	1016
1023	1023	-0.19036	-0.18554	0.05885	0.00006	0.01037	0.000	2.993	-0.001	8	1017
1024	1024	-0.18373	-0.17929	0.05885	0.00006	0.01037	0.000	2.994	-0.001	8	1018
1025	1025	-0.18360	-0.17918	0.05885	0.00006	0.01037	0.000	2.994	-0.001	8	1019
1026	1026	-0.18151	-0.17721	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1020
1027	1027	-0.18126	-0.17697	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1021
1028	1028	-0.18106	-0.17678	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1022
1029	1029	-0.18033	-0.17610	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1023
1030	1030	-0.18018	-0.17596	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1024
1031	1031	-0.17997	-0.17576	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1025
1032	1032	-0.17836	-0.17424	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1026
1033	1033	-0.17786	-0.17377	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1027

TABLE A-3 (Continued)

1034	1034	-0.17768	-0.17360	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1028
1035	1035	-0.17419	-0.17032	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1029
1036	1036	-0.17365	-0.16981	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1030
1037	1037	-0.17272	-0.16893	0.05886	0.00005	0.01037	0.000	2.994	-0.001	8	1031
1038	1038	-0.16984	-0.16621	0.05887	0.00005	0.01037	0.000	2.994	-0.001	8	1032
1039	1039	-0.16662	-0.16318	0.05887	0.00005	0.01037	0.000	2.994	-0.001	8	1033
1040	1040	-0.16526	-0.16190	0.05887	0.00005	0.01037	0.000	2.994	-0.001	8	1034
1041	1041	-0.16431	-0.16101	0.05887	0.00005	0.01038	0.000	2.994	-0.001	8	1035
1042	1042	-0.16428	-0.16058	0.05887	0.00005	0.01038	0.000	2.994	-0.001	8	1036
1043	1043	-0.16142	-0.15829	0.05887	0.00005	0.01038	0.000	2.994	-0.001	8	1037
1044	1044	-0.15967	-0.15664	0.05887	0.00005	0.01038	0.000	2.994	-0.001	8	1038
1045	1045	-0.15811	-0.15517	0.05887	0.00005	0.01038	0.000	2.994	-0.001	8	1039
1046	1046	-0.15653	-0.15368	0.05888	0.00005	0.01038	0.000	2.994	-0.001	8	1040
1047	1047	-0.15595	-0.15314	0.05888	0.00005	0.01038	0.000	2.994	-0.001	8	1041
1048	1048	-0.15442	-0.15169	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1042
1049	1049	-0.15420	-0.15148	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1043
1050	1050	-0.15396	-0.15126	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1044
1051	1051	-0.15286	-0.15022	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1045
1052	1052	-0.15223	-0.14963	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1046
1053	1053	-0.15220	-0.14961	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1047
1054	1054	-0.15203	-0.14944	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1048
1055	1055	-0.15105	-0.14852	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1049
1056	1056	-0.15005	-0.14758	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1050
1057	1057	-0.14972	-0.14726	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1051
1058	1058	-0.14619	-0.14394	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1052
1059	1059	-0.14606	-0.14382	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1053
1060	1060	-0.14550	-0.14329	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1054
1061	1061	-0.14419	-0.14206	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1055
1062	1062	-0.14411	-0.14198	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1056
1063	1063	-0.14377	-0.14166	0.05888	0.00004	0.01038	0.000	2.994	-0.001	8	1057
1064	1064	-0.14275	-0.14070	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1058
1065	1065	-0.14093	-0.13899	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1059
1066	1066	-0.14003	-0.13814	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1060
1067	1067	-0.13948	-0.13762	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1061
1068	1068	-0.13927	-0.13742	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1062
1069	1069	-0.13856	-0.13675	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1063
1070	1070	-0.13765	-0.13590	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1064
1071	1071	-0.13754	-0.13579	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1065
1072	1072	-0.13687	-0.13516	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1066
1073	1073	-0.13637	-0.13469	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1067
1074	1074	-0.13442	-0.13285	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1068
1075	1075	-0.13388	-0.13234	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1069
1076	1076	-0.13309	-0.13160	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1070
1077	1077	-0.13240	-0.13095	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1071
1078	1078	-0.13139	-0.13000	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1072
1079	1079	-0.13097	-0.12960	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1073
1080	1080	-0.13082	-0.12946	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1074
1081	1081	-0.12785	-0.12666	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1075
1082	1082	-0.12744	-0.12628	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1076
1083	1083	-0.12730	-0.12614	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1077
1084	1084	-0.12712	-0.12597	0.05889	0.00004	0.01038	0.000	2.994	-0.000	8	1078
1085	1085	-0.12629	-0.12519	0.05890	0.00004	0.01038	0.000	2.994	-0.000	8	1079
1086	1086	-0.12464	-0.12363	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1080
1087	1087	-0.12368	-0.12274	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1081
1088	1088	-0.12184	-0.12099	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1082
1089	1089	-0.12167	-0.12084	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1083
1090	1090	-0.12008	-0.11934	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1084
1091	1091	-0.11895	-0.11827	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1085
1092	1092	-0.11762	-0.11702	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1086
1093	1093	-0.11718	-0.11661	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1087
1094	1094	-0.11553	-0.11505	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1088
1095	1095	-0.11544	-0.11496	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1089
1096	1096	-0.11331	-0.11296	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1090
1097	1097	-0.11201	-0.11173	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1091
1098	1098	-0.11163	-0.11138	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1092
1099	1099	-0.11072	-0.11051	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1093

TABLE A-3 (continued)

1100	1100	-0.10918	-0.10907	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1094
1101	1101	-0.10887	-0.10877	0.05890	0.00003	0.01039	0.000	2.994	-0.000	8	1095
1102	1102	-0.10705	-0.10706	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1096
1103	1103	-0.10580	-0.10588	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1097
1104	1104	-0.10474	-0.10488	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1098
1105	1105	-0.10431	-0.10448	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1099
1106	1106	-0.10355	-0.10376	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1100
1107	1107	-0.10217	-0.10246	0.05891	0.00003	0.01039	0.000	2.994	0.000	8	1101
1108	1108	-0.10101	-0.10137	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1102
1109	1109	-0.10088	-0.10124	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1103
1110	1110	-0.10020	-0.10060	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1104
1111	1111	-0.10019	-0.10059	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1105
1112	1112	-0.09949	-0.09994	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1106
1113	1113	-0.09945	-0.09990	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1107
1114	1114	-0.09898	-0.09945	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1108
1115	1115	-0.09869	-0.09918	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1109
1116	1116	-0.09824	-0.09876	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1110
1117	1117	-0.09787	-0.09841	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1111
1118	1118	-0.09745	-0.09801	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1112
1119	1119	-0.09726	-0.09783	0.05891	0.00003	0.01039	0.000	2.994	-0.000	8	1113
1120	1120	-0.09289	-0.09372	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1114
1121	1121	-0.09162	-0.09252	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1115
1122	1122	-0.09070	-0.09165	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1116
1123	1123	-0.09054	-0.09149	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1117
1124	1124	-0.09018	-0.09115	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1118
1125	1125	-0.09013	-0.09111	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1119
1126	1126	-0.08865	-0.08972	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1120
1127	1127	-0.08822	-0.08931	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1121
1128	1128	-0.08784	-0.08895	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1122
1129	1129	-0.08775	-0.08887	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1123
1130	1130	-0.08713	-0.08829	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1124
1131	1131	-0.08703	-0.08819	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1125
1132	1132	-0.08566	-0.08690	0.05891	0.00002	0.01039	0.000	2.994	-0.000	6	1126
1133	1133	-0.08496	-0.08624	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1127
1134	1134	-0.08328	-0.08465	0.05891	0.00002	0.01039	0.000	2.994	-0.000	8	1128
1135	1135	-0.08088	-0.08239	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1129
1136	1136	-0.08051	-0.08204	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1130
1137	1137	-0.08048	-0.08201	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1131
1138	1138	-0.07980	-0.08137	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1132
1139	1139	-0.07926	-0.08087	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1133
1140	1140	-0.07809	-0.07976	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1134
1141	1141	-0.07737	-0.07908	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1135
1142	1142	-0.07500	-0.07685	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1136
1143	1143	-0.07435	-0.07624	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1137
1144	1144	-0.07409	-0.07599	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1138
1145	1145	-0.07291	-0.07488	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1139
1146	1146	-0.07169	-0.07373	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1140
1147	1147	-0.07143	-0.07348	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1141
1148	1148	-0.07142	-0.07347	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1142
1149	1149	-0.07134	-0.07340	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1143
1150	1150	-0.07134	-0.07340	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1144
1151	1151	-0.07042	-0.07253	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1145
1152	1152	-0.06881	-0.07101	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1146
1153	1153	-0.06858	-0.07079	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1147
1154	1154	-0.06734	-0.06963	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1148
1155	1155	-0.06685	-0.06916	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1149
1156	1156	-0.06564	-0.06802	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1150
1157	1157	-0.06534	-0.06774	0.05892	0.00002	0.01039	0.000	2.994	-0.000	8	1151
1158	1158	-0.06512	-0.06754	0.05892	0.00001	0.01039	0.000	2.994	-0.000	8	1152
1159	1159	-0.06148	-0.06410	0.05892	0.00001	0.01039	0.000	2.994	-0.000	8	1153
1160	1160	-0.06036	-0.06305	0.05892	0.00001	0.01039	0.000	2.994	-0.000	8	1154
1161	1161	-0.06002	-0.06273	0.05892	0.00001	0.01039	0.000	2.994	-0.000	8	1155
1162	1162	-0.06001	-0.06271	0.05892	0.00001	0.01039	0.000	2.994	-0.000	8	1156
1163	1163	-0.05846	-0.06126	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1157
1164	1164	-0.05798	-0.06081	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1158
1165	1165	-0.05791	-0.06074	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1159

TABLE A-3 (Continued)

1166	1166	-0.05711	-0.05999	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1160
1167	1167	-0.05556	-0.05852	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1161
1168	1168	-0.05517	-0.05815	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1162
1169	1169	-0.05485	-0.05785	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1163
1170	1170	-0.05412	-0.05716	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1164
1171	1171	-0.05392	-0.05698	0.05892	C.00001	0.01040	0.000	2.994	-0.000	8	1165
1172	1172	-0.05382	-0.05688	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1166
1173	1173	-0.05298	-0.05609	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1167
1174	1174	-0.05208	-0.05524	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1168
1175	1175	-0.05102	-0.05424	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1169
1176	1176	-0.05101	-0.05423	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1170
1177	1177	-0.04906	-0.05239	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1171
1178	1178	-0.04878	-0.05213	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1172
1179	1179	-0.04775	-0.05116	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1173
1180	1180	-0.04448	-0.04808	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1174
1181	1181	-0.04445	-0.04805	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1175
1182	1182	-0.04304	-0.04672	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1176
1183	1183	-0.04304	-0.04672	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1177
1184	1184	-0.04267	-0.04637	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1178
1185	1185	-0.04243	-0.04615	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1179
1186	1186	-0.04136	-0.04514	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1180
1187	1187	-0.04119	-0.04497	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1181
1188	1188	-0.03991	-0.04376	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1182
1189	1189	-0.03917	-0.04307	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1183
1190	1190	-0.03909	-0.04299	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1184
1191	1191	-0.03843	-0.04237	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1185
1192	1192	-0.03779	-0.04177	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1186
1193	1193	-0.03714	-0.04115	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1187
1194	1194	-0.03643	-0.04048	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1188
1195	1195	-0.03482	-0.03897	0.05892	0.00001	0.01040	0.000	2.994	-0.000	8	1189
1196	1196	-0.03174	-0.03607	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1190
1197	1197	-0.03115	-0.03551	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1191
1198	1198	-0.02959	-0.03404	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1192
1199	1199	-0.02904	-0.03352	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1193
1200	1200	-0.02752	-0.03209	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1194
1201	1201	-0.02706	-0.03165	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1195
1202	1202	-0.02691	-0.03151	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1196
1203	1203	-0.02637	-0.03100	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1197
1204	1204	-0.02600	-0.03065	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1198
1205	1205	-0.02406	-0.02882	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1199
1206	1206	-0.02403	-0.02880	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1200
1207	1207	-0.02131	-0.02623	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1201
1208	1208	-0.02051	-0.02548	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1202
1209	1209	-0.01828	-0.02338	0.05893	0.00000	0.01040	0.000	2.994	-0.000	8	1203
1210	1210	-0.01817	-0.02327	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1204
1211	1211	-0.01665	-0.02184	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1205
1212	1212	-0.01558	-0.02083	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1206
1213	1213	-0.01313	-0.01852	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1207
1214	1214	-0.01225	-0.01769	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1208
1215	1215	-0.01218	-0.01762	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1209
1216	1216	-0.01048	-0.01602	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1210
1217	1217	-0.01033	-0.01588	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1211
1218	1218	-0.00968	-0.01526	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1212
1219	1219	-0.00916	-0.01477	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1213
1220	1220	-0.00909	-0.01471	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1214
1221	1221	-0.00809	-0.01376	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1215
1222	1222	-0.00453	-0.01041	0.05893	-0.00000	0.01040	0.000	2.994	-0.000	8	1216
1223	1223	-0.00417	-0.01008	0.05892	-0.00000	0.01040	0.000	2.994	-0.000	8	1217
1224	1224	-0.00370	-0.00963	0.05892	-0.00000	0.01040	0.000	2.994	-0.000	8	1218
1225	1225	-0.00361	-0.00954	0.05892	-0.00000	0.01040	0.000	2.994	-0.000	8	1219
1226	1226	-0.00280	-0.00878	0.05892	-0.00000	0.01040	0.000	2.994	-0.000	8	1220
1227	1227	-0.00227	-0.00828	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1221
1228	1228	-0.00118	-0.00725	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1222
1229	1229	-0.00052	-0.00663	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1223
1230	1230	-0.00037	-0.00649	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1224
1231	1231	-0.00020	-0.00633	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1225

TABLE A-3 (Continued)

1232	1232	0.00185	-0.00440	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1226
1233	1233	0.00326	-0.00307	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1227
1234	1234	0.00426	-0.00213	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1228
1235	1235	0.00429	-0.00209	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1229
1236	1236	0.00516	-0.00121	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1230
1237	1237	0.00570	-0.00077	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1231
1238	1238	0.00895	0.00229	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1232
1239	1239	0.00896	0.00230	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1233
1240	1240	0.00941	0.00273	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1234
1241	1241	0.01178	0.00496	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1235
1242	1242	0.01178	0.00496	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1236
1243	1243	0.01208	0.00525	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1237
1244	1244	0.01269	0.00582	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1238
1245	1245	0.01303	0.00615	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1239
1246	1246	0.01372	0.00679	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1240
1247	1247	0.01387	0.00693	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1241
1248	1248	0.01514	0.00814	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1242
1249	1249	0.01668	0.00959	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1243
1250	1250	0.01795	0.01078	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1244
1251	1251	0.01836	0.01117	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1245
1252	1252	0.01902	0.01180	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1246
1253	1253	0.01918	0.01194	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1247
1254	1254	0.02198	0.01458	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1248
1255	1255	0.02227	0.01485	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1249
1256	1256	0.02538	0.01779	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1250
1257	1257	0.02624	0.01860	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1251
1258	1258	0.02634	0.01869	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1252
1259	1259	0.02697	0.01929	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1253
1260	1260	0.02707	0.01938	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1254
1261	1261	0.02737	0.01966	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1255
1262	1262	0.02900	0.02120	0.05892	-0.00001	0.01040	0.000	2.994	-0.000	8	1256
1263	1263	0.02971	0.02186	0.05892	-0.00002	0.01040	0.000	2.994	-0.000	8	1257
1264	1264	0.03467	0.02655	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1258
1265	1265	0.03500	0.02686	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1259
1266	1266	0.03515	0.02700	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1260
1267	1267	0.03611	0.02791	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1261
1268	1268	0.03643	0.02821	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1262
1269	1269	0.03662	0.02838	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1263
1270	1270	0.03810	0.02978	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1264
1271	1271	0.03894	0.03057	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1265
1272	1272	0.03988	0.03145	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1266
1273	1273	0.04179	0.03325	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1267
1274	1274	0.04368	0.03504	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1268
1275	1275	0.04461	0.03591	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1269
1276	1276	0.04470	0.03600	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1270
1277	1277	0.04483	0.03612	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1271
1278	1278	0.04506	0.03634	0.05892	-0.00002	0.01039	0.000	2.994	-0.000	8	1272
1279	1279	0.04713	0.03829	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1273
1280	1280	0.04852	0.03960	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1274
1281	1281	0.04903	0.04008	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1275
1282	1282	0.05152	0.04243	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1276
1283	1283	0.05359	0.04438	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1277
1284	1284	0.05373	0.04451	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1278
1285	1285	0.05554	0.04622	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1279
1286	1286	0.05555	0.04623	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1280
1287	1287	0.05636	0.04699	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1281
1288	1288	0.05838	0.04889	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1282
1289	1289	0.06061	0.05100	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1283
1290	1290	0.06075	0.05113	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1284
1291	1291	0.06136	0.05171	0.05891	-0.00002	0.01039	0.000	2.994	-0.000	8	1285
1292	1292	0.06439	0.05456	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1286
1293	1293	0.06446	0.05463	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1287
1294	1294	0.06540	0.05552	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1288
1295	1295	0.06544	0.05555	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1289
1296	1296	0.06582	0.05591	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1290
1297	1297	0.06618	0.05625	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1291

TABLE A-3 (Continued)

1298	1298	0.06743	0.05742	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1292
1299	1299	0.06878	0.05869	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1293
1300	1300	0.06883	0.05875	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1294
1301	1301	0.06932	0.05921	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1295
1302	1302	0.06933	0.05921	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1296
1303	1303	0.06981	0.05967	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1297
1304	1304	0.07015	0.05999	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1298
1305	1305	0.07043	0.06025	0.05891	-0.00003	0.01039	0.000	2.994	-0.000	8	1299
1306	1306	0.07266	0.06235	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1300
1307	1307	0.07275	0.06244	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1301
1308	1308	0.07365	0.06329	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1302
1309	1309	0.07401	0.06362	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1[illegible]3
1310	1310	0.07410	0.06371	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1304
1311	1311	0.07667	0.06613	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1305
1312	1312	0.07775	0.06715	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1306
1313	1313	0.07919	0.06851	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1307
1314	1314	0.07949	0.06879	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1308
1315	1315	0.08094	0.07016	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1309
1316	1316	0.08138	0.07057	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1310
1317	1317	0.08248	0.07161	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1311
1318	1318	0.08249	0.07162	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1312
1319	1319	0.08446	0.07348	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1313
1320	1320	0.08446	0.07348	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1314
1321	1321	0.08521	0.07418	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1315
1322	1322	0.08990	0.07860	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1316
1323	1323	0.09198	0.08056	0.05890	-0.00003	0.01039	0.000	2.994	-0.000	8	1317
1324	1324	0.09219	0.08076	0.05889	-0.00003	0.01039	0.000	2.994	-0.000	8	1318
1325	1325	0.09370	0.08218	0.05889	-0.00003	0.01039	0.000	2.994	-0.000	8	1319
1326	1326	0.09545	0.08383	0.05889	-0.00004	0.01039	0.000	2.994	-0.000	8	1320
1327	1327	0.09554	0.08391	0.05889	-0.00004	0.01039	0.000	2.994	-0.000	8	1321
1328	1328	0.09653	0.08485	0.05889	-0.00004	0.01039	0.000	2.994	-0.000	8	1322
1329	1329	0.09911	0.08728	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1323
1330	1330	0.09926	0.08742	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1324
1331	1331	0.10105	0.08911	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1325
1332	1332	0.10227	0.09026	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1326
1333	1333	0.10312	0.09106	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1327
1334	1334	0.10343	0.09135	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1328
1335	1335	0.10453	0.09238	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1329
1336	1336	0.10487	0.09271	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1330
1337	1337	0.10639	0.09414	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1331
1338	1338	0.10673	0.09446	0.05889	-0.00004	0.01038	0.000	2.994	-0.000	8	1332
1339	1339	0.10833	0.09597	0.05889	-0.00004	0.01038	0.000	2.994	-0.001	8	1333
1340	1340	0.10900	0.09660	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1334
1341	1341	0.10949	0.09706	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1335
1342	1342	0.11047	0.09798	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1336
1343	1343	0.11131	0.09878	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1337
1344	1344	0.11164	0.09908	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1338
1345	1345	0.11223	0.09964	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1339
1346	1346	0.11340	0.10074	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1340
1347	1347	0.11348	0.10082	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1341
1348	1348	0.11444	0.10172	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1342
1349	1349	0.11476	0.10203	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1343
1350	1350	0.11531	0.10254	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1344
1351	1351	0.11627	0.10345	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1345
1352	1352	0.11730	0.10442	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1346
1353	1353	0.11821	0.10527	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1347
1354	1354	0.11862	0.10566	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1348
1355	1355	0.12047	0.10740	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1349
1356	1356	0.12078	0.10770	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1350
1357	1357	0.12179	0.10864	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1351
1358	1358	0.12261	0.10942	0.05888	-0.00004	0.01038	0.000	2.994	-0.001	8	1352
1359	1359	0.12431	0.11102	0.05887	-0.00004	0.01038	0.000	2.994	-0.001	8	1353
1360	1360	0.12457	0.11127	0.05887	-0.00004	0.01038	0.000	2.994	-0.001	8	1354
1361	1361	0.12464	0.11134	0.05887	-0.00004	0.01038	0.000	2.994	-0.001	8	1355
1362	1362	0.12676	0.11333	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1356
1363	1363	0.12774	0.11425	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1357

TABLE A-3 (continued)

1364	1364	0.12774	0.11425	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1358
1365	1365	0.12779	0.11430	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1359
1366	1366	0.12878	0.11523	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1360
1367	1367	0.13152	0.11761	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1361
1368	1368	0.13187	0.11814	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1362
1369	1369	0.13253	0.11876	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1363
1370	1370	0.13362	0.11979	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1364
1371	1371	0.13409	0.12023	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1365
1372	1372	0.13454	0.12066	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1366
1373	1373	0.13516	0.12126	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1367
1374	1374	0.13606	0.12209	0.05987	-0.00005	0.01038	0.000	2.994	-0.001	8	1368
1375	1375	0.13659	0.12259	0.05887	-0.00005	0.01038	0.000	2.994	-0.001	8	1369
1376	1376	0.13784	0.12377	0.05886	-0.00005	0.01038	0.000	2.994	-0.001	8	1370
1377	1377	0.13870	0.12457	0.05886	-0.00005	0.01038	0.000	2.994	-0.001	8	1371
1378	1378	0.13890	0.12477	0.05886	-0.00005	0.01038	0.000	2.994	-0.001	8	1372
1379	1379	0.14245	0.12811	0.05886	-0.00005	0.01037	0.000	2.994	-0.001	8	1373
1380	1380	0.14346	0.12906	0.05886	-0.00005	0.01037	0.000	2.994	-0.001	8	1374
1381	1381	0.14442	0.12996	0.05886	-0.00005	0.01037	0.000	2.994	-0.001	8	1375
1382	1382	0.14774	0.13309	0.05886	-0.00005	0.01037	0.000	2.994	-0.001	8	1376
1383	1383	0.14814	0.13346	0.05886	-0.00005	0.01037	0.000	2.994	-0.001	8	1377
1384	1384	0.15164	0.13676	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1378
1385	1385	0.15286	0.13791	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1379
1386	1386	0.15339	0.13841	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1380
1387	1387	0.15388	0.13887	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1381
1388	1388	0.15408	0.13906	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1382
1389	1389	0.15471	0.13965	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1383
1390	1390	0.15591	0.14079	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1384
1391	1391	0.15609	0.14095	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1385
1392	1392	0.15691	0.14172	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1386
1393	1393	0.15742	0.14220	0.05885	-0.00005	0.01037	0.000	2.994	-0.001	8	1387
1394	1394	0.15847	0.14319	0.05885	-0.00006	0.01037	0.000	2.994	-0.001	8	1388
1395	1395	0.15883	0.14353	0.05885	-0.00006	0.01037	0.000	2.994	-0.001	8	1389
1396	1396	0.16229	0.14679	0.05884	-0.00006	0.01037	0.000	2.994	-0.001	8	1390
1397	1397	0.16304	0.14749	0.05884	-0.00006	0.01037	0.000	2.994	-0.001	8	1391
1398	1398	0.16721	0.15142	0.05884	-0.00006	0.01037	0.000	2.994	-0.001	8	1392
1399	1399	0.16762	0.15181	0.05884	-0.00006	0.01037	0.000	2.994	-0.001	8	1393
1400	1400	0.16941	0.15349	0.05884	-0.00006	0.01037	0.000	2.994	-0.001	8	1394
1401	1401	0.17128	0.15525	0.05884	-0.00006	0.01036	0.000	2.994	-0.001	8	1395
1402	1402	0.17161	0.15557	0.05884	-0.00006	0.01036	0.000	2.994	-0.001	8	1396
1403	1403	0.17243	0.15633	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1397
1404	1404	0.17257	0.15647	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1398
1405	1405	0.17303	0.15690	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1399
1406	1406	0.17380	0.15762	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1400
1407	1407	0.17464	0.15841	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1401
1408	1408	0.17530	0.15904	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1402
1409	1409	0.17678	0.16043	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1403
1410	1410	0.17724	0.16086	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1404
1411	1411	0.17738	0.16099	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1405
1412	1412	0.17767	0.16127	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1406
1413	1413	0.17782	0.16141	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1407
1414	1414	0.17830	0.16186	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1408
1415	1415	0.17833	0.16189	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1409
1416	1416	0.18016	0.16361	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1410
1417	1417	0.18065	0.16407	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1411
1418	1418	0.18113	0.16452	0.05883	-0.00006	0.01036	0.000	2.994	-0.001	8	1412
1419	1419	0.18294	0.16623	0.05882	-0.00006	0.01036	0.000	2.994	-0.001	8	1413
1420	1420	0.18390	0.16713	0.05882	-0.00006	0.01036	0.000	2.994	-0.001	8	1414
1421	1421	0.18398	0.16720	0.05882	-0.00006	0.01036	0.000	2.994	-0.001	8	1415
1422	1422	0.18688	0.16994	0.05882	-0.00006	0.01036	0.000	2.994	-0.001	8	1416
1423	1423	0.18824	0.17121	0.05882	-0.00006	0.01036	0.000	2.994	-0.001	8	1417
1424	1424	0.18833	0.17130	0.05882	-0.00006	0.01036	0.000	2.994	-0.001	8	1418
1425	1425	0.19202	0.17477	0.05881	-0.00007	0.01036	0.000	2.994	-0.001	8	1419
1426	1426	0.19220	0.17494	0.05881	-0.00007	0.01036	0.000	2.994	-0.001	8	1420
1427	1427	0.19291	0.17561	0.05881	-0.00007	0.01036	0.000	2.994	-0.001	8	1421
1428	1428	0.19395	0.17659	0.05881	-0.00007	0.01036	0.000	2.994	-0.001	8	1422
1429	1429	0.19473	0.17732	0.05881	-0.00007	0.01036	0.000	2.994	-0.001	8	1423

TABLE A-3 (Continued)

1430	1430	0.19876	0.18112	0.05881	-0.00007	0.01035	0.000	2.994	-0.001	8	1424
1431	1431	0.19911	0.18145	0.05881	-0.00007	0.01035	0.000	2.994	-0.001	8	1425
1432	1432	0.19965	0.18195	0.05881	-0.00007	0.01035	0.000	2.994	-0.001	8	1426
1433	1433	0.20158	0.18377	0.05880	-0.00007	0.01035	0.000	2.994	-0.001	8	1427
1434	1434	0.20284	0.18495	0.05880	-0.00007	0.01035	0.000	2.994	-0.002	8	1428
1435	1435	0.20407	0.18612	0.05880	-0.00007	0.01035	0.000	2.994	-0.002	8	1429
1436	1436	0.20483	0.18683	0.05880	-0.00007	0.01035	0.000	2.994	-0.002	8	1430
1437	1437	0.20734	0.18919	0.05880	-0.00007	0.01035	0.000	2.994	-0.002	8	1431
1438	1438	0.20809	0.18990	0.05880	-0.00007	0.01035	0.000	2.994	-0.002	8	1432
1439	1439	0.20923	0.19097	0.05880	-0.00007	0.01035	0.000	2.994	-0.002	8	1433
1440	1440	0.21118	0.19280	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1434
1441	1441	0.21160	0.19319	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1435
1442	1442	0.21270	0.19423	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1436
1443	1443	0.21278	0.19430	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1437
1444	1444	0.21359	0.19507	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1438
1445	1445	0.21570	0.19705	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1439
1446	1446	0.21606	0.19739	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1440
1447	1447	0.21654	0.19784	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1441
1448	1448	0.21761	0.19885	0.05879	-0.00007	0.01035	0.000	2.994	-0.002	8	1442
1449	1449	0.22124	0.20226	0.05878	-0.00008	0.01035	0.000	2.994	-0.002	8	1443
1450	1450	0.22159	0.20259	0.05878	-0.00008	0.01035	0.000	2.994	-0.002	8	1444
1451	1451	0.22234	0.20330	0.05878	-0.00008	0.01034	0.000	2.994	-0.002	8	1445
1452	1452	0.22494	0.20574	0.05878	-0.00008	0.01034	0.000	2.994	-0.002	8	1446
1453	1453	0.22552	0.20629	0.05878	-0.00008	0.01034	0.000	2.994	-0.002	8	1447
1454	1454	0.22567	0.20643	0.05878	-0.00008	0.01034	0.000	2.994	-0.002	8	1448
1455	1455	0.22600	0.20674	0.05878	-0.00008	0.01034	0.000	2.994	-0.002	8	1449
1456	1456	0.22646	0.20717	0.05878	-0.00008	0.01034	0.000	2.994	-0.002	8	1450
1457	1457	0.22715	0.20783	0.05877	-0.00008	0.01034	0.000	2.994	-0.002	8	1451
1458	1458	0.22794	0.20856	0.05877	-0.00008	0.01034	0.000	2.994	-0.002	8	1452
1459	1459	0.23071	0.21117	0.05877	-0.00008	0.01034	0.000	2.994	-0.002	8	1453
1460	1460	0.23101	0.21145	0.05877	-0.00008	0.01034	0.000	2.994	-0.002	8	1454
1461	1461	0.23267	0.21301	0.05877	-0.00008	0.01034	0.000	2.994	-0.002	8	1455
1462	1462	0.23324	0.21355	0.05877	-0.00008	0.01034	0.000	2.994	-0.002	8	1456
1463	1463	0.23648	0.21659	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1457
1464	1464	0.23790	0.21793	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1458
1465	1465	0.23799	0.21801	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1459
1466	1466	0.23966	0.21958	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1460
1467	1467	0.23994	0.21985	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1461
1468	1468	0.24005	0.21995	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1462
1469	1469	0.24145	0.22127	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1463
1470	1470	0.24151	0.22132	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1464
1471	1471	0.24164	0.22144	0.05876	-0.00008	0.01034	0.000	2.994	-0.002	8	1465
1472	1472	0.24247	0.22223	0.05875	-0.00008	0.01034	0.000	2.994	-0.002	8	1466
1473	1473	0.24261	0.22236	0.05875	-0.00008	0.01034	0.000	2.994	-0.002	8	1467
1474	1474	0.24290	0.22263	0.05875	-0.00008	0.01034	0.000	2.994	-0.002	8	1468
1475	1475	0.24317	0.22288	0.05875	-0.00008	0.01034	0.000	2.994	-0.002	8	1469
1476	1476	0.24350	0.22319	0.05875	-0.00008	0.01034	0.000	2.994	-0.002	8	1470
1477	1477	0.24496	0.22456	0.05875	-0.00008	0.01033	0.000	2.994	-0.002	8	1471
1478	1478	0.24641	0.22593	0.05875	-0.00008	0.01033	0.000	2.994	-0.002	8	1472
1479	1479	0.24676	0.22626	0.05875	-0.00008	0.01033	0.000	2.994	-0.002	8	1473
1480	1480	0.24985	0.22916	0.05874	-0.00008	0.01033	0.000	2.994	-0.002	8	1474
1481	1481	0.25021	0.22950	0.05874	-0.00009	0.01033	0.000	2.994	-0.002	8	1475
1482	1482	0.25034	0.22962	0.05874	-0.00009	0.01033	0.000	2.994	-0.002	8	1476
1483	1483	0.25186	0.23105	0.05874	-0.00009	0.01033	0.000	2.994	-0.002	8	1477
1484	1484	0.25406	0.23312	0.05874	-0.00009	0.01033	0.000	2.994	-0.002	8	1478
1485	1485	0.25767	0.23651	0.05873	-0.00009	0.01033	0.000	2.994	-0.002	8	1479
1486	1486	0.25786	0.23669	0.05873	-0.00009	0.01033	0.000	2.994	-0.002	8	1480
1487	1487	0.25839	0.23719	0.05873	-0.00009	0.01033	0.000	2.994	-0.002	8	1481
1488	1488	0.25924	0.23799	0.05873	-0.00009	0.01033	0.000	2.994	-0.002	8	1482
1489	1489	0.26016	0.23885	0.05873	-0.00009	0.01033	0.000	2.994	-0.002	8	1483
1490	1490	0.26111	0.23974	0.05873	-0.00009	0.01033	0.000	2.994	-0.002	8	1484
1491	1491	0.26459	0.24302	0.05872	-0.00009	0.01032	0.000	2.994	-0.002	8	1485
1492	1492	0.26474	0.24316	0.05872	-0.00009	0.01032	0.000	2.994	-0.002	8	1486
1493	1493	0.26572	0.24407	0.05872	-0.00009	0.01032	0.000	2.994	-0.002	8	1487
1494	1494	0.26621	0.24454	0.05872	-0.00009	0.01032	0.000	2.994	-0.002	8	1488
1495	1495	0.26743	0.24569	0.05872	-0.00009	0.01032	0.000	2.994	-0.002	8	1489

TABLE A-3 (Continued)

1496	1496	0.26839	0.24659	0.05872	-0.00009	0.01032	0.000	2.994	-0.002	8	1490
1497	1497	0.26945	0.24758	0.05872	-0.00009	0.01032	0.000	2.994	-0.003	8	1491
1498	1498	0.26974	0.24785	0.05872	-0.00009	0.01032	0.000	2.994	-0.003	8	1492
1499	1499	0.27167	0.24967	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1493
1500	1500	0.27181	0.24980	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1494
1501	1501	0.27194	0.24992	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1495
1502	1502	0.27238	0.25034	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1496
1503	1503	0.27327	0.25117	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1497
1504	1504	0.27581	0.25355	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1498
1505	1505	0.27605	0.25378	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1499
1506	1506	0.27627	0.25399	0.05871	-0.00009	0.01032	0.000	2.994	-0.003	8	1500
1507	1507	0.27858	0.25616	0.05870	-0.00009	0.01032	0.000	2.994	-0.003	8	1501
1508	1508	0.27928	0.25682	0.05870	-0.00009	0.01032	0.000	2.994	-0.003	8	1502
1509	1509	0.27955	0.25707	0.05870	-0.00009	0.01032	0.000	2.994	-0.003	8	1503
1510	1510	0.28045	0.25791	0.05870	-0.00010	0.01032	0.000	2.994	-0.003	8	1504
1511	1511	0.28123	0.25864	0.05870	-0.00010	0.01032	0.000	2.994	-0.003	8	1505
1512	1512	0.28169	0.25907	0.05870	-0.00010	0.01032	0.000	2.994	-0.003	8	1506
1513	1513	0.28231	0.25966	0.05870	-0.00010	0.01031	0.000	2.994	-0.003	8	1507
1514	1514	0.28231	0.25966	0.05870	-0.00010	0.01031	0.000	2.994	-0.003	8	1508
1515	1515	0.28255	0.25989	0.05870	-0.00010	0.01031	0.000	2.994	-0.003	8	1509
1516	1516	0.28303	0.26034	0.05870	-0.00010	0.01031	0.000	2.994	-0.003	8	1510
1517	1517	0.28353	0.26080	0.05870	-0.00010	0.01031	0.000	2.994	-0.003	8	1511
1518	1518	0.28360	0.26087	0.05870	-0.00010	0.01031	0.000	2.994	-0.003	8	1512
1519	1519	0.28543	0.26259	0.05869	-0.00010	0.01031	0.000	2.994	-0.003	8	1513
1520	1520	0.28554	0.26269	0.05869	-0.00010	0.01031	0.000	2.994	-0.003	8	1514
1521	1521	0.28760	0.26463	0.05869	-0.00010	0.01031	0.000	2.994	-0.003	8	1515
1522	1522	0.28950	0.26641	0.05869	-0.00010	0.01031	0.000	2.994	-0.003	8	1516
1523	1523	0.29186	0.26863	0.05868	-0.00010	0.01031	0.000	2.994	-0.003	8	1517
1524	1524	0.29545	0.27200	0.05868	-0.00010	0.01031	0.000	2.994	-0.003	8	1518
1525	1525	0.29550	0.27204	0.05868	-0.00010	0.01031	0.000	2.994	-0.003	8	1519
1526	1526	0.29626	0.27276	0.05868	-0.00010	0.01031	0.000	2.994	-0.003	8	1520
1527	1527	0.29690	0.27336	0.05868	-0.00010	0.01031	0.000	2.994	-0.003	8	1521
1528	1528	0.29720	0.27364	0.05867	-0.00010	0.01031	0.000	2.994	-0.003	8	1522
1529	1529	0.29766	0.27407	0.05867	-0.00010	0.01031	0.000	2.994	-0.003	8	1523
1530	1530	0.29994	0.27622	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1524
1531	1531	0.30076	0.27699	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1525
1532	1532	0.30157	0.27775	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1526
1533	1533	0.30171	0.27787	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1527
1534	1534	0.30187	0.27802	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1528
1535	1535	0.30253	0.27864	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1529
1536	1536	0.30291	0.27900	0.05867	-0.00010	0.01030	0.000	2.994	-0.003	8	1530
1537	1537	0.30346	0.27952	0.05866	-0.00010	0.01030	0.000	2.994	-0.003	8	1531
1538	1538	0.30461	0.28060	0.05866	-0.00010	0.01030	0.000	2.994	-0.003	8	1532
1539	1539	0.30506	0.28102	0.05866	-0.00010	0.01030	0.000	2.994	-0.003	8	1533
1540	1540	0.30599	0.28190	0.05866	-0.00010	0.01030	0.000	2.994	-0.003	8	1534
1541	1541	0.30951	0.28520	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1535
1542	1542	0.30997	0.28563	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1536
1543	1543	0.31023	0.28587	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1537
1544	1544	0.31058	0.28620	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1538
1545	1545	0.31070	0.28631	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1539
1546	1546	0.31099	0.28659	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1540
1547	1547	0.31450	0.28988	0.05865	-0.00011	0.01030	0.000	2.994	-0.003	8	1541
1548	1548	0.31631	0.29158	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1542
1549	1549	0.31681	0.29205	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1543
1550	1550	0.31757	0.29276	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1544
1551	1551	0.31832	0.29346	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1545
1552	1552	0.31914	0.29423	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1546
1553	1553	0.31922	0.29431	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1547
1554	1554	0.31997	0.29501	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1548
1555	1555	0.32018	0.29521	0.05864	-0.00011	0.01029	0.000	2.994	-0.003	8	1549
1556	1556	0.32084	0.29583	0.05863	-0.00011	0.01029	0.000	2.994	-0.003	8	1550
1557	1557	0.32421	0.29899	0.05863	-0.00011	0.01029	0.000	2.994	-0.003	8	1551
1558	1558	0.32440	0.29916	0.05863	-0.00011	0.01029	0.000	2.994	-0.003	8	1552
1559	1559	0.32445	0.29922	0.05863	-0.00011	0.01029	0.000	2.994	-0.003	8	1553
1560	1560	0.32632	0.30096	0.05863	-0.00011	0.01029	0.000	2.994	-0.004	8	1554
1561	1561	0.32761	0.30218	0.05862	-0.00011	0.01029	0.000	2.994	-0.004	8	1555

TABLE A-3 (Continued)

1562	1562	0.32765	0.30222	0.05862	-0.00011	0.01029	0.000	2.994	-0.004	8	1556
1563	1563	0.33036	0.30476	0.05862	-0.00011	0.01029	0.000	2.994	-0.004	8	1557
1564	1564	0.33083	0.30520	0.05862	-0.00011	0.01029	0.000	2.994	-0.004	8	1558
1565	1565	0.33106	0.30541	0.05862	-0.00011	0.01029	0.000	2.994	-0.004	8	1559
1566	1566	0.33206	0.30635	0.05861	-0.00011	0.01028	0.000	2.993	-0.004	8	1560
1567	1567	0.33448	0.30862	0.05861	-0.00011	0.01028	0.000	2.993	-0.004	8	1561
1568	1568	0.33495	0.30906	0.05861	-0.00011	0.01028	0.000	2.993	-0.004	8	1562
1569	1569	0.33593	0.30998	0.05861	-0.00011	0.01028	0.000	2.993	-0.004	8	1563
1570	1570	0.33649	0.31051	0.05861	-0.00011	0.01028	0.000	2.993	-0.004	8	1564
1571	1571	0.33799	0.31191	0.05860	-0.00012	0.01028	0.000	2.993	-0.004	8	1565
1572	1572	0.33832	0.31222	0.05860	-0.00012	0.01028	0.000	2.993	-0.004	8	1566
1573	1573	0.33965	0.31347	0.05860	-0.00012	0.01028	0.000	2.993	-0.004	8	1567
1574	1574	0.34002	0.31382	0.05860	-0.00012	0.01028	0.000	2.993	-0.004	8	1568
1575	1575	0.34313	0.31673	0.05859	-0.00012	0.01028	0.000	2.993	-0.004	8	1569
1576	1576	0.34392	0.31747	0.05859	-0.00012	0.01028	0.000	2.993	-0.004	8	1570
1577	1577	0.34828	0.32156	0.05858	-0.00012	0.01027	0.000	2.993	-0.004	8	1571
1578	1578	0.34840	0.32167	0.05858	-0.00012	0.01027	0.000	2.993	-0.004	8	1572
1579	1579	0.34851	0.32177	0.05858	-0.00012	0.01027	0.000	2.993	-0.004	8	1573
1580	1580	0.34886	0.32211	0.05858	-0.00012	0.01027	0.000	2.993	-0.004	8	1574
1581	1581	0.35187	0.32492	0.05858	-0.00012	0.01027	0.000	2.993	-0.004	8	1575
1582	1582	0.35348	0.32644	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1576
1583	1583	0.35386	0.32679	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1577
1584	1584	0.35388	0.32681	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1578
1585	1585	0.35424	0.32714	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1579
1586	1586	0.35431	0.32722	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1580
1587	1587	0.35454	0.32743	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1581
1588	1588	0.35466	0.32754	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1582
1589	1589	0.35468	0.32756	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1583
1590	1590	0.35492	0.32778	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1584
1591	1591	0.35574	0.32856	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1585
1592	1592	0.35666	0.32941	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1586
1593	1593	0.35736	0.33007	0.05857	-0.00012	0.01027	0.000	2.993	-0.004	8	1587
1594	1594	0.35887	0.33149	0.05856	-0.00012	0.01027	0.000	2.993	-0.004	8	1588
1595	1595	0.35957	0.33214	0.05856	-0.00012	0.01027	0.000	2.993	-0.004	8	1589
1596	1596	0.36018	0.33271	0.05856	-0.00012	0.01027	0.000	2.993	-0.004	8	1590
1597	1597	0.36228	0.33468	0.05856	-0.00012	0.01026	0.000	2.993	-0.004	8	1591
1598	1598	0.36407	0.33636	0.05855	-0.00012	0.01026	0.000	2.993	-0.004	8	1592
1599	1599	0.36475	0.33700	0.05855	-0.00013	0.01026	0.000	2.993	-0.004	8	1593
1600	1600	0.36511	0.33733	0.05855	-0.00013	0.01026	0.000	2.993	-0.004	8	1594
1601	1601	0.36651	0.33864	0.05855	-0.00013	0.01026	0.000	2.993	-0.004	8	1595
1602	1602	0.36680	0.33892	0.05855	-0.00013	0.01026	0.000	2.993	-0.004	8	1596
1603	1603	0.36816	0.34019	0.05855	-0.00013	0.01026	0.000	2.993	-0.004	8	1597
1604	1604	0.36894	0.34092	0.05854	-0.00013	0.01026	0.000	2.993	-0.004	8	1598
1605	1605	0.36924	0.34120	0.05854	-0.00013	0.01026	0.000	2.993	-0.004	8	1599
1606	1606	0.36934	0.34129	0.05854	-0.00013	0.01026	0.000	2.993	-0.004	8	1600
1607	1607	0.36997	0.34188	0.05854	-0.00013	0.01026	0.000	2.993	-0.004	8	1601
1608	1608	0.37072	0.34259	0.05854	-0.00013	0.01026	0.000	2.993	-0.004	8	1602
1609	1609	0.37120	0.34304	0.05854	-0.00013	0.01026	0.000	2.993	-0.004	8	1603
1610	1610	0.37358	0.34527	0.05853	-0.00013	0.01026	0.000	2.993	-0.004	8	1604
1611	1611	0.37419	0.34584	0.05853	-0.00013	0.01026	0.000	2.993	-0.004	8	1605
1612	1612	0.37421	0.34586	0.05853	-0.00013	0.01026	0.000	2.993	-0.004	8	1606
1613	1613	0.37572	0.34726	0.05853	-0.00013	0.01025	0.000	2.993	-0.004	8	1607
1614	1614	0.37803	0.34943	0.05853	-0.00013	0.01025	0.000	2.993	-0.005	8	1608
1615	1615	0.38007	0.35135	0.05852	-0.00013	0.01025	0.000	2.993	-0.005	8	1609
1616	1616	0.38013	0.35139	0.05852	-0.00013	0.01025	0.000	2.993	-0.005	8	1610
1617	1617	0.38061	0.35185	0.05852	-0.00013	0.01025	0.000	2.993	-0.005	8	1611
1618	1618	0.38195	0.35311	0.05852	-0.00013	0.01025	0.000	2.993	-0.005	8	1612
1619	1619	0.38205	0.35320	0.05852	-0.00013	0.01025	0.000	2.993	-0.005	8	1613
1620	1620	0.38352	0.35457	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1614
1621	1621	0.38366	0.35470	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1615
1622	1622	0.38372	0.35476	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1616
1623	1623	0.38433	0.35533	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1617
1624	1624	0.38475	0.35573	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1618
1625	1625	0.38551	0.35643	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1619
1626	1626	0.38574	0.35665	0.05851	-0.00013	0.01025	0.000	2.993	-0.005	8	1620
1627	1627	0.38886	0.35958	0.05850	-0.00013	0.01024	0.000	2.993	-0.005	8	1621

TABLE A-3 (Continued)

1628	1628	0.38955	0.36022	0.05850	-0.00013	0.01024	0.000	2.993	-0.005	8	1622
1629	1629	0.39024	0.36086	0.05850	-0.00013	0.01024	0.000	2.993	-0.005	8	1623
1630	1630	0.39167	0.36220	0.05850	-0.00014	0.01024	0.000	2.993	-0.005	8	1624
1631	1631	0.39225	0.36275	0.05850	-0.00014	0.01024	0.000	2.993	-0.005	8	1625
1632	1632	0.39245	0.36293	0.05849	-0.00014	0.01024	0.000	2.993	-0.005	8	1626
1633	1633	0.39316	0.36360	0.05849	-0.00014	0.01024	0.000	2.993	-0.005	8	1627
1634	1634	0.39463	0.36497	0.05849	-0.00014	0.01024	0.000	2.993	-0.005	8	1628
1635	1635	0.39481	0.36514	0.05849	-0.00014	0.01024	0.000	2.993	-0.005	8	1629
1636	1636	0.39522	0.36553	0.05849	-0.00014	0.01024	0.000	2.993	-0.005	8	1630
1637	1637	0.39754	0.36770	0.05848	-0.00014	0.01024	0.000	2.993	-0.005	8	1631
1638	1638	0.39859	0.36868	0.05848	-0.00014	0.01024	0.000	2.993	-0.005	8	1632
1639	1639	0.39898	0.36904	0.05848	-0.00014	0.01024	0.000	2.993	-0.005	8	1633
1640	1640	0.39934	0.36938	0.05848	-0.00014	0.01024	0.000	2.993	-0.005	8	1634
1641	1641	0.39987	0.36987	0.05848	-0.00014	0.01024	0.000	2.993	-0.005	8	1635
1642	1642	0.40168	0.37157	0.05847	-0.00014	0.01023	0.000	2.993	-0.005	8	1636
1643	1643	0.40375	0.37351	0.05847	-0.00014	0.01023	0.000	2.993	-0.005	8	1637
1644	1644	0.40383	0.37358	0.05847	-0.00014	0.01023	0.000	2.993	-0.005	8	1638
1645	1645	0.40631	0.37590	0.05846	-0.00014	0.01023	0.000	2.993	-0.005	8	1639
1646	1646	0.40923	0.37863	0.05846	-0.00014	0.01023	0.000	2.993	-0.005	8	1640
1647	1647	0.40984	0.37920	0.05846	-0.00014	0.01023	0.000	2.993	-0.005	8	1641
1648	1648	0.41009	0.37944	0.05846	-0.00014	0.01023	0.000	2.993	-0.005	8	1642
1649	1649	0.41212	0.38133	0.05845	-0.00014	0.01023	0.000	2.993	-0.005	8	1643
1650	1650	0.41329	0.38243	0.05845	-0.00014	0.01022	0.000	2.993	-0.005	8	1644
1651	1651	0.41389	0.38299	0.05845	-0.00014	0.01022	0.000	2.993	-0.005	8	1645
1652	1652	0.41489	0.38392	0.05844	-0.00014	0.01022	0.000	2.993	-0.005	8	1646
1653	1653	0.41780	0.38665	0.05844	-0.00015	0.01022	0.000	2.993	-0.005	8	1647
1654	1654	0.41782	0.38666	0.05844	-0.00015	0.01022	0.000	2.993	-0.005	8	1648
1655	1655	0.41804	0.38687	0.05844	-0.00015	0.01022	0.000	2.993	-0.005	8	1649
1656	1656	0.41827	0.38708	0.05844	-0.00015	0.01022	0.000	2.993	-0.005	8	1650
1657	1657	0.42023	0.38891	0.05843	-0.00015	0.01022	0.000	2.993	-0.005	8	1651
1658	1658	0.42128	0.38990	0.05843	-0.00015	0.01022	0.000	2.993	-0.005	8	1652
1659	1659	0.42818	0.39635	0.05841	-0.00015	0.01021	0.000	2.993	-0.006	8	1653
1660	1660	0.42971	0.39778	0.05841	-0.00015	0.01021	0.000	2.993	-0.006	8	1654
1661	1661	0.43051	0.39853	0.05841	-0.00015	0.01021	0.000	2.993	-0.006	8	1655
1662	1662	0.43113	0.39911	0.05841	-0.00015	0.01021	0.000	2.993	-0.006	8	1656
1663	1663	0.43128	0.39925	0.05841	-0.00015	0.01021	0.000	2.993	-0.006	8	1657
1664	1664	0.43182	0.39975	0.05840	-0.00015	0.01021	0.000	2.993	-0.006	8	1658
1665	1665	0.43465	0.40239	0.05840	-0.00015	0.01021	0.000	2.993	-0.006	8	1659
1666	1666	0.43678	0.40439	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1660
1667	1667	0.43701	0.40460	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1661
1668	1668	0.43712	0.40471	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1662
1669	1669	0.43745	0.40501	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1663
1670	1670	0.43757	0.40513	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1664
1671	1671	0.43786	0.40540	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1665
1672	1672	0.43911	0.40656	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1666
1673	1673	0.43965	0.40707	0.05839	-0.00015	0.01020	0.000	2.993	-0.006	8	1667
1674	1674	0.44177	0.40905	0.05838	-0.00015	0.01020	0.000	2.993	-0.006	8	1668
1675	1675	0.44180	0.40908	0.05838	-0.00015	0.01020	0.000	2.993	-0.006	8	1669
1676	1676	0.44549	0.41252	0.05837	-0.00016	0.01020	0.000	2.993	-0.006	8	1670
1677	1677	0.44821	0.41506	0.05836	-0.00016	0.01019	0.000	2.993	-0.006	8	1671
1678	1678	0.44960	0.41636	0.05836	-0.00016	0.01019	0.000	2.993	-0.006	8	1672
1679	1679	0.45031	0.41702	0.05836	-0.00016	0.01019	0.000	2.993	-0.006	8	1673
1680	1680	0.45040	0.41711	0.05836	-0.00016	0.01019	0.000	2.993	-0.006	8	1674
1681	1681	0.45136	0.41801	0.05836	-0.00016	0.01019	0.000	2.993	-0.006	8	1675
1682	1682	0.45275	0.41930	0.05835	-0.00016	0.01019	0.000	2.992	-0.006	8	1676
1683	1683	0.45423	0.42068	0.05835	-0.00016	0.01019	0.000	2.992	-0.006	8	1677
1684	1684	0.45577	0.42212	0.05834	-0.00016	0.01019	0.000	2.992	-0.006	8	1678
1685	1685	0.45989	0.42597	0.05833	-0.00016	0.01018	0.000	2.992	-0.006	8	1679
1686	1686	0.46068	0.42671	0.05833	-0.00016	0.01018	0.000	2.992	-0.006	8	1680
1687	1687	0.46076	0.42678	0.05833	-0.00016	0.01018	0.000	2.992	-0.006	8	1681
1688	1688	0.46468	0.43044	0.05832	-0.00016	0.01018	0.000	2.992	-0.007	8	1682
1689	1689	0.46501	0.43075	0.05832	-0.00016	0.01018	0.000	2.992	-0.007	8	1683
1690	1690	0.46603	0.43169	0.05832	-0.00016	0.01018	0.000	2.992	-0.007	8	1684
1691	1691	0.46706	0.43266	0.05832	-0.00017	0.01018	0.000	2.992	-0.007	8	1685
1692	1692	0.46715	0.43274	0.05832	-0.00017	0.01018	0.000	2.992	-0.007	8	1686
1693	1693	0.46813	0.43365	0.05831	-0.00017	0.01017	0.000	2.992	-0.007	8	1687

TABLE A-3 (Continued)

1694	1694	0.47190	0.43717	0.05830	-0.00017	0.01017	0.000	2.992	-0.007	8	1688
1695	1695	0.47372	0.43887	0.05830	-0.00017	0.01017	0.000	2.992	-0.007	8	1689
1696	1696	0.47662	0.44157	0.05829	-0.00017	0.01017	0.000	2.992	-0.007	8	1690
1697	1697	0.47723	0.44215	0.05829	-0.00017	0.01017	0.000	2.992	-0.007	8	1691
1698	1698	0.47751	0.44241	0.05829	-0.00017	0.01017	0.000	2.992	-0.007	8	1692
1699	1699	0.47828	0.44312	0.05829	-0.00017	0.01017	0.000	2.992	-0.007	8	1693
1700	1700	0.47889	0.44370	0.05828	-0.00017	0.01016	0.000	2.992	-0.007	8	1694
1701	1701	0.47991	0.44464	0.05828	-0.00017	0.01016	0.000	2.992	-0.007	8	1695
1702	1702	0.47997	0.44470	0.05828	-0.00017	0.01016	0.000	2.992	-0.007	8	1696
1703	1703	0.48331	0.44782	0.05827	-0.00017	0.01016	0.000	2.992	-0.007	8	1697
1704	1704	0.48386	0.44833	0.05827	-0.00017	0.01016	0.000	2.992	-0.007	8	1698
1705	1705	0.48446	0.44889	0.05827	-0.00017	0.01016	0.000	2.992	-0.007	8	1699
1706	1706	0.48785	0.45205	0.05826	-0.00017	0.01016	0.000	2.992	-0.007	8	1700
1707	1707	0.48815	0.45232	0.05826	-0.00017	0.01016	0.000	2.992	-0.007	8	1701
1708	1708	0.48851	0.45266	0.05826	-0.00017	0.01015	0.000	2.992	-0.007	8	1702
1709	1709	0.49232	0.45621	0.05825	-0.00018	0.01015	0.000	2.992	-0.007	8	1703
1710	1710	0.49295	0.45680	0.05824	-0.00018	0.01015	0.000	2.992	-0.007	8	1704
1711	1711	0.49315	0.45698	0.05824	-0.00018	0.01015	0.000	2.992	-0.007	8	1705
1712	1712	0.49463	0.45837	0.05824	-0.00018	0.01015	0.000	2.992	-0.007	8	1706
1713	1713	0.49642	0.46003	0.05823	-0.00018	0.01015	0.000	2.992	-0.007	8	1707
1714	1714	0.49716	0.46072	0.05823	-0.00018	0.01015	0.000	2.992	-0.007	8	1708
1715	1715	0.49743	0.46097	0.05823	-0.00018	0.01015	0.000	2.992	-0.007	8	1709
1716	1716	0.49861	0.46207	0.05823	-0.00018	0.01014	0.000	2.992	-0.007	8	1710
1717	1717	0.50131	0.46459	0.05822	-0.00018	0.01014	0.000	2.992	-0.007	8	1711
1718	1718	0.50134	0.46461	0.05822	-0.00018	0.01014	0.000	2.992	-0.007	8	1712
1719	1719	0.50174	0.46499	0.05822	-0.00018	0.01014	0.000	2.992	-0.007	8	1713
1720	1720	0.50243	0.46563	0.05822	-0.00018	0.01014	0.000	2.992	-0.007	8	1714
1721	1721	0.50337	0.46651	0.05821	-0.00018	0.01014	0.000	2.992	-0.007	8	1715
1722	1722	0.50753	0.47038	0.05820	-0.00018	0.01014	0.000	2.992	-0.008	8	1716
1723	1723	0.51450	0.47687	0.05818	-0.00019	0.01013	0.000	2.992	-0.008	8	1717
1724	1724	0.51701	0.47920	0.05817	-0.00019	0.01013	0.000	2.992	-0.008	8	1718
1725	1725	0.51841	0.48051	0.05817	-0.00019	0.01012	0.000	2.992	-0.008	8	1719
1726	1726	0.51844	0.48054	0.05817	-0.00019	0.01012	0.000	2.992	-0.008	8	1720
1727	1727	0.51938	0.48141	0.05817	-0.00019	0.01012	0.000	2.992	-0.008	8	1721
1728	1728	0.51947	0.48149	0.05817	-0.00019	0.01012	0.000	2.992	-0.008	8	1722
1729	1729	0.52063	0.48258	0.05816	-0.00019	0.01012	0.000	2.992	-0.008	8	1723
1730	1730	0.52091	0.48284	0.05816	-0.00019	0.01012	0.000	2.992	-0.008	8	1724
1731	1731	0.52097	0.48289	0.05816	-0.00019	0.01012	0.000	2.992	-0.008	8	1725
1732	1732	0.52235	0.48418	0.05816	-0.00019	0.01012	0.000	2.992	-0.008	8	1726
1733	1733	0.52251	0.48433	0.05816	-0.00019	0.01012	0.000	2.992	-0.008	8	1727
1734	1734	0.52364	0.48538	0.05815	-0.00019	0.01012	0.000	2.992	-0.008	8	1728
1735	1735	0.52394	0.48566	0.05815	-0.00019	0.01012	0.000	2.992	-0.008	8	1729
1736	1736	0.53035	0.49162	0.05813	-0.00019	0.01011	0.000	2.992	-0.008	8	1730
1737	1737	0.53051	0.49177	0.05813	-0.00019	0.01011	0.000	2.992	-0.008	8	1731
1738	1738	0.53101	0.49224	0.05813	-0.00019	0.01011	0.000	2.992	-0.008	8	1732
1739	1739	0.53111	0.49233	0.05813	-0.00019	0.01011	0.000	2.992	-0.008	8	1733
1740	1740	0.53169	0.49287	0.05813	-0.00019	0.01011	0.000	2.992	-0.008	8	1734
1741	1741	0.53216	0.49330	0.05813	-0.00019	0.01011	0.000	2.992	-0.008	8	1735
1742	1742	0.53345	0.49451	0.05812	-0.00019	0.01011	0.000	2.992	-0.008	8	1736
1743	1743	0.53397	0.49499	0.05812	-0.00019	0.01011	0.000	2.992	-0.008	8	1737
1744	1744	0.53453	0.49550	0.05812	-0.00019	0.01011	0.000	2.992	-0.008	8	1738
1745	1745	0.53585	0.49673	0.05812	-0.00020	0.01010	0.000	2.992	-0.008	8	1739
1746	1746	0.53715	0.49795	0.05811	-0.00020	0.01010	0.000	2.992	-0.008	8	1740
1747	1747	0.53945	0.50009	0.05811	-0.00020	0.01010	0.000	2.992	-0.008	8	1741
1748	1748	0.54126	0.50177	0.05810	-0.00020	0.01010	0.000	2.991	-0.008	8	1742
1749	1749	0.54210	0.50255	0.05810	-0.00020	0.01010	0.000	2.991	-0.009	8	1743
1750	1750	0.54280	0.50320	0.05810	-0.00020	0.01010	0.000	2.991	-0.009	8	1744
1751	1751	0.54386	0.50418	0.05809	-0.00020	0.01010	0.000	2.991	-0.009	8	1745
1752	1752	0.54665	0.50677	0.05808	-0.00020	0.01009	0.000	2.991	-0.009	8	1746
1753	1753	0.54806	0.50808	0.05808	-0.00020	0.01009	0.000	2.991	-0.009	8	1747
1754	1754	0.54911	0.50906	0.05808	-0.00020	0.01009	0.000	2.991	-0.009	8	1748
1755	1755	0.55093	0.51075	0.05807	-0.00020	0.01009	0.000	2.991	-0.009	8	1749
1756	1756	0.55115	0.51095	0.05807	-0.00020	0.01009	0.000	2.991	-0.009	8	1750
1757	1757	0.55335	0.51300	0.05806	-0.00020	0.01008	0.000	2.991	-0.009	8	1751
1758	1758	0.55343	0.51308	0.05806	-0.00020	0.01008	0.000	2.991	-0.009	8	1752
1759	1759	0.55499	0.51452	0.05806	-0.00020	0.01008	0.000	2.991	-0.009	8	1753

TABLE A-3 (Continued)

1760	1760	0.55505	0.51458	0.05806	-0.00020	0.01008	0.000	2.991	-0.009	8	1754
1761	1761	0.55642	0.51585	0.05805	-0.00020	0.01008	0.000	2.991	-0.009	8	1755
1762	1762	0.55942	0.51864	0.05804	-0.00021	0.01008	0.000	2.991	-0.009	8	1756
1763	1763	0.56180	0.52084	0.05803	-0.00021	0.01007	0.000	2.991	-0.009	8	1757
1764	1764	0.56477	0.52360	0.05802	-0.00021	0.01007	0.000	2.991	-0.009	8	1758
1765	1765	0.56605	0.52479	0.05802	-0.00021	0.01007	0.000	2.991	-0.009	8	1759
1766	1766	0.56612	0.52486	0.05802	-0.00021	0.01007	0.000	2.991	-0.009	8	1760
1767	1767	0.56633	0.52506	0.05802	-0.00021	0.01007	0.000	2.991	-0.009	8	1761
1768	1768	0.56808	0.52668	0.05801	-0.00021	0.01007	0.000	2.991	-0.009	8	1762
1769	1769	0.56962	0.52811	0.05801	-0.00021	0.01006	0.000	2.991	-0.009	8	1763
1770	1770	0.57198	0.53030	0.05800	-0.00021	0.01006	0.000	2.991	-0.009	8	1764
1771	1771	0.57234	0.53063	0.05800	-0.00021	0.01006	0.000	2.991	-0.009	8	1765
1772	1772	0.57255	0.53083	0.05800	-0.00021	0.01006	0.000	2.991	-0.009	8	1766
1773	1773	0.57320	0.53143	0.05800	-0.00021	0.01006	0.000	2.991	-0.009	8	1767
1774	1774	0.57320	0.53143	0.05800	-0.00021	0.01006	0.000	2.991	-0.009	8	1768
1775	1775	0.57538	0.53345	0.05799	-0.00021	0.01006	0.000	2.991	-0.009	8	1769
1776	1776	0.57691	0.53487	0.05798	-0.00021	0.01006	0.000	2.991	-0.010	8	1770
1777	1777	0.57694	0.53490	0.05798	-0.00021	0.01006	0.000	2.991	-0.010	8	1771
1778	1778	0.57711	0.53506	0.05798	-0.00021	0.01006	0.000	2.991	-0.010	8	1772
1779	1779	0.57738	0.53531	0.05798	-0.00021	0.01006	0.000	2.991	-0.010	8	1773
1780	1780	0.57951	0.53729	0.05797	-0.00022	0.01005	0.000	2.991	-0.010	8	1774
1781	1781	0.58019	0.53792	0.05797	-0.00022	0.01005	0.000	2.991	-0.010	8	1775
1782	1782	0.58058	0.53828	0.05797	-0.00022	0.01005	0.000	2.991	-0.010	8	1776
1783	1783	0.58252	0.54007	0.05796	-0.00022	0.01005	0.000	2.991	-0.010	8	1777
1784	1784	0.58264	0.54019	0.05796	-0.00022	0.01005	0.000	2.991	-0.010	8	1778
1785	1785	0.58806	0.54521	0.05794	-0.00022	0.01004	0.000	2.991	-0.010	8	1779
1786	1786	0.59216	0.54901	0.05793	-0.00022	0.01004	0.000	2.991	-0.010	8	1780
1787	1787	0.59305	0.54984	0.05793	-0.00022	0.01004	0.000	2.991	-0.010	8	1781
1788	1788	0.59455	0.55122	0.05792	-0.00022	0.01003	0.000	2.991	-0.010	8	1782
1789	1789	0.59659	0.55311	0.05791	-0.00022	0.01003	0.000	2.991	-0.010	8	1783
1790	1790	0.59748	0.55395	0.05791	-0.00022	0.01003	0.000	2.991	-0.010	8	1784
1791	1791	0.59814	0.55455	0.05791	-0.00022	0.01003	0.000	2.991	-0.010	8	1785
1792	1792	0.59828	0.55468	0.05791	-0.00022	0.01003	0.000	2.991	-0.010	8	1786
1793	1793	0.59886	0.55522	0.05791	-0.00023	0.01003	0.000	2.991	-0.010	8	1787
1794	1794	0.59917	0.55551	0.05790	-0.00023	0.01003	0.000	2.991	-0.010	8	1788
1795	1795	0.60060	0.55683	0.05790	-0.00023	0.01003	0.000	2.991	-0.010	8	1789
1796	1796	0.60286	0.55893	0.05789	-0.00023	0.01002	0.000	2.991	-0.010	8	1790
1797	1797	0.60542	0.56130	0.05788	-0.00023	0.01002	0.000	2.991	-0.010	8	1791
1798	1798	0.60737	0.56311	0.05787	-0.00023	0.01002	0.000	2.991	-0.010	8	1792
1799	1799	0.60805	0.56373	0.05787	-0.00023	0.01002	0.000	2.991	-0.010	8	1793
1800	1800	0.60863	0.56427	0.05787	-0.00023	0.01002	0.000	2.991	-0.010	8	1794
1801	1801	0.60863	0.56427	0.05787	-0.00023	0.01002	0.000	2.991	-0.010	8	1795
1802	1802	0.60939	0.56497	0.05787	-0.00023	0.01001	0.000	2.991	-0.010	8	1796
1803	1803	0.61076	0.56625	0.05786	-0.00023	0.01001	0.000	2.991	-0.011	8	1797
1804	1804	0.61493	0.57010	0.05785	-0.00023	0.01001	0.000	2.991	-0.011	8	1798
1805	1805	0.61514	0.57030	0.05785	-0.00023	0.01001	0.000	2.991	-0.011	8	1799
1806	1806	0.61516	0.57032	0.05785	-0.00023	0.01001	0.000	2.991	-0.011	8	1800
1807	1807	0.61651	0.57156	0.05784	-0.00023	0.01000	0.000	2.990	-0.011	8	1801
1808	1808	0.61674	0.57178	0.05784	-0.00023	0.01000	0.000	2.990	-0.011	8	1602
1809	1809	0.61712	0.57213	0.05784	-0.00023	0.01000	0.000	2.990	-0.011	8	1803
1810	1810	0.62053	0.57529	0.05783	-0.00024	0.01000	0.000	2.990	-0.011	8	1804
1811	1811	0.62076	0.57550	0.05782	-0.00024	0.01000	0.000	2.990	-0.011	8	1805
1812	1812	0.62167	0.57634	0.05782	-0.00024	0.01000	0.000	2.990	-0.011	8	1806
1813	1813	0.62185	0.57651	0.05782	-0.00024	0.01000	0.000	2.990	-0.011	8	1807
1814	1814	0.62258	0.57718	0.05782	-0.00024	0.01000	0.000	2.990	-0.011	8	1808
1815	1815	0.62437	0.57884	0.05781	-0.00024	0.00999	0.000	2.990	-0.011	8	1809
1816	1816	0.62469	0.57913	0.05781	-0.00024	0.00999	0.000	2.990	-0.011	8	1810
1817	1817	0.62616	0.58049	0.05780	-0.00024	0.00999	0.000	2.990	-0.011	8	1811
1818	1818	0.62869	0.58283	0.05779	-0.00024	0.00999	0.000	2.990	-0.011	8	1812
1819	1819	0.63090	0.58487	0.05779	-0.00024	0.00999	0.000	2.990	-0.011	8	1813
1820	1820	0.63592	0.58952	0.05777	-0.00024	0.00998	0.000	2.990	-0.011	8	1814
1821	1821	0.63669	0.59023	0.05776	-0.00024	0.00998	0.000	2.990	-0.011	8	1815
1822	1822	0.63716	0.59067	0.05776	-0.00024	0.00998	0.000	2.990	-0.011	8	1816
1823	1823	0.63944	0.59277	0.05775	-0.00025	0.00997	0.000	2.990	-0.011	8	1817
1824	1824	0.64021	0.59348	0.05775	-0.00025	0.00997	0.000	2.990	-0.011	8	1818
1825	1825	0.64114	0.59434	0.05775	-0.00025	0.00997	0.000	2.990	-0.011	8	1819

TABLE A-3 (Continued)

1826	1826	0.64405	0.59703	0.05773	-0.00025	0.00997	0.000	2.990	-0.012	8	1820
1827	1827	0.64742	0.60015	0.05772	-0.00025	0.00996	0.000	2.990	-0.012	8	1821
1828	1828	0.64880	0.60142	0.05772	-0.00025	0.00996	0.000	2.990	-0.012	8	1822
1829	1829	0.65160	0.60400	0.05770	-0.00025	0.00996	0.000	2.990	-0.012	8	1823
1830	1830	0.65165	0.60404	0.05770	-0.00025	0.00996	0.000	2.990	-0.012	8	1824
1831	1831	0.65556	0.60766	0.05769	-0.00025	0.00995	0.000	2.990	-0.012	8	1825
1832	1832	0.65614	0.60820	0.05769	-0.00025	0.00995	0.000	2.990	-0.012	8	1826
1833	1833	0.65735	0.60931	0.05768	-0.00026	0.00995	0.000	2.990	-0.012	8	1827
1834	1834	0.65875	0.61060	0.05767	-0.00026	0.00995	0.000	2.990	-0.012	8	1828
1835	1835	0.65877	0.61062	0.05767	-0.00026	0.00995	0.000	2.990	-0.012	8	1829
1836	1836	0.65962	0.61140	0.05767	-0.00026	0.00994	0.000	2.990	-0.012	8	1830
1837	1837	0.66051	0.61222	0.05767	-0.00026	0.00994	0.000	2.990	-0.012	8	1831
1838	1838	0.66051	0.61223	0.05767	-0.00026	0.00994	0.000	2.990	-0.012	8	1832
1839	1839	0.66095	0.61263	0.05767	-0.00026	0.00994	0.000	2.990	-0.012	8	1833
1840	1840	0.66238	0.61395	0.05766	-0.00026	0.00994	0.000	2.990	-0.012	8	1834
1841	1841	0.66239	0.61396	0.05766	-0.00026	0.00994	0.000	2.990	-0.012	8	1835
1842	1842	0.66306	0.61458	0.05766	-0.00026	0.00994	0.000	2.990	-0.012	8	1836
1843	1843	0.66321	0.61471	0.05766	-0.00026	0.00994	0.000	2.990	-0.012	8	1837
1844	1844	0.66337	0.61487	0.05766	-0.00026	0.00994	0.000	2.990	-0.012	8	1838
1845	1845	0.66382	0.61528	0.05765	-0.00026	0.00994	0.000	2.990	-0.012	8	1839
1846	1846	0.66425	0.61568	0.05765	-0.00026	0.00994	0.000	2.990	-0.012	8	1840
1847	1847	0.66563	0.61695	0.05765	-0.00026	0.00994	0.000	2.990	-0.012	8	1841
1848	1848	0.66806	0.61919	0.05764	-0.00026	0.00993	0.000	2.990	-0.012	8	1842
1849	1849	0.67118	0.62207	0.05762	-0.00026	0.00993	0.000	2.990	-0.012	8	1843
1850	1850	0.67337	0.62408	0.05761	-0.00026	0.00992	0.000	2.990	-0.013	8	1844
1851	1851	0.67390	0.62457	0.05761	-0.00026	0.00992	0.000	2.990	-0.013	8	1845
1852	1852	0.67428	0.62493	0.05761	-0.00026	0.00992	0.000	2.990	-0.013	8	1846
1853	1853	0.67569	0.62622	0.05760	-0.00027	0.00992	0.000	2.990	-0.013	8	1847
1854	1854	0.67787	0.62823	0.05759	-0.00027	0.00992	0.000	2.990	-0.013	8	1848
1855	1855	0.67823	0.62856	0.05759	-0.00027	0.00992	0.000	2.990	-0.013	8	1849
1856	1856	0.68115	0.63125	0.05758	-0.00027	0.00991	0.000	2.990	-0.013	8	1850
1857	1857	0.68134	0.63143	0.05758	-0.00027	0.00991	0.000	2.990	-0.013	8	1851
1858	1858	0.68332	0.63325	0.05757	-0.00027	0.00991	0.000	2.989	-0.013	8	1852
1859	1859	0.68406	0.63394	0.05757	-0.00027	0.00991	0.000	2.989	-0.013	8	1853
1860	1860	0.68729	0.63692	0.05755	-0.00027	0.00990	0.000	2.989	-0.013	8	1854
1861	1861	0.69128	0.64058	0.05754	-0.00027	0.00990	0.000	2.989	-0.013	8	1855
1862	1862	0.69173	0.64100	0.05753	-0.00027	0.00990	0.000	2.989	-0.013	8	1856
1863	1863	0.69184	0.64110	0.05753	-0.00027	0.00990	0.000	2.989	-0.013	8	1857
1864	1864	0.69264	0.64183	0.05753	-0.00027	0.00989	0.000	2.989	-0.013	8	1858
1865	1865	0.69322	0.64237	0.05753	-0.00028	0.00989	0.000	2.989	-0.013	8	1859
1866	1866	0.69446	0.64352	0.05752	-0.00028	0.00989	0.000	2.989	-0.013	8	1860
1867	1867	0.69489	0.64391	0.05752	-0.00028	0.00989	0.000	2.989	-0.013	8	1861
1868	1868	0.69666	0.64553	0.05751	-0.00028	0.00989	0.000	2.989	-0.013	8	1862
1869	1869	0.69790	0.64668	0.05751	-0.00028	0.00989	0.000	2.989	-0.013	8	1863
1870	1870	0.70076	0.64931	0.05749	-0.00028	0.00988	0.000	2.989	-0.014	8	1864
1871	1871	0.70239	0.65081	0.05749	-0.00028	0.00988	0.000	2.989	-0.014	8	1865
1872	1872	0.70247	0.65088	0.05749	-0.00028	0.00988	0.000	2.989	-0.014	8	1866
1873	1873	0.70440	0.65266	0.05748	-0.00028	0.00988	0.000	2.989	-0.014	8	1867
1874	1874	0.70455	0.65280	0.05748	-0.00028	0.00988	0.000	2.989	-0.014	8	1868
1875	1875	0.70464	0.65288	0.05748	-0.00028	0.00988	0.000	2.989	-0.014	8	1869
1876	1876	0.70551	0.65367	0.05747	-0.00028	0.00987	0.000	2.989	-0.014	8	1870
1877	1877	0.70720	0.65523	0.05747	-0.00028	0.00987	0.000	2.989	-0.014	8	1871
1878	1878	0.71110	0.65882	0.05745	-0.00029	0.00986	0.000	2.989	-0.014	8	1872
1879	1879	0.71125	0.65896	0.05745	-0.00029	0.00986	0.000	2.989	-0.014	8	1873
1880	1880	0.71154	0.65922	0.05745	-0.00029	0.00986	0.000	2.989	-0.014	8	1874
1881	1881	0.71163	0.65930	0.05745	-0.00029	0.00986	0.000	2.989	-0.014	8	1875
1882	1882	0.71499	0.66240	0.05743	-0.00029	0.00986	0.000	2.989	-0.014	8	1876
1883	1883	0.71586	0.66319	0.05743	-0.00029	0.00986	0.000	2.989	-0.014	8	1877
1884	1884	0.71609	0.66341	0.05743	-0.00029	0.00986	0.000	2.989	-0.014	8	1878
1885	1885	0.71634	0.66364	0.05742	-0.00029	0.00986	0.000	2.989	-0.014	8	1879
1886	1886	0.71645	0.66373	0.05742	-0.00029	0.00986	0.000	2.989	-0.014	8	1880
1887	1887	0.71674	0.66400	0.05742	-0.00029	0.00986	0.000	2.989	-0.014	8	1881
1888	1888	0.71681	0.66407	0.05742	-0.00029	0.00986	0.000	2.989	-0.014	8	1882
1889	1889	0.71687	0.66412	0.05742	-0.00029	0.00986	0.000	2.989	-0.014	8	1883
1890	1890	0.71776	0.66494	0.05742	-0.00029	0.00985	0.000	2.989	-0.014	8	1884
1891	1891	0.71822	0.66536	0.05742	-0.00029	0.00985	0.000	2.989	-0.014	8	1885

TABLE A-3 (Continued)

1892	1892	0.72312	0.66711	0.05741	-0.00029	0.00985	0.000	2.989	-0.014	8	1886
1893	1893	0.72285	0.66961	0.05739	-0.00029	0.00985	0.000	2.989	-0.014	8	1887
1894	1894	0.72515	0.67172	0.05738	-0.00029	0.00984	0.000	2.989	-0.014	8	1888
1895	1895	0.72714	0.67355	0.05737	-0.00029	0.00984	0.000	2.989	-0.015	8	1889
1896	1896	0.72955	0.67576	0.05736	-0.00030	0.00983	0.000	2.989	-0.015	8	1890
1897	1897	0.72989	0.67606	0.05736	-0.00030	0.00983	0.000	2.989	-0.015	8	1891
1898	1898	0.73067	0.67679	0.05736	-0.00030	0.00983	0.000	2.989	-0.015	8	1892
1899	1899	0.73124	0.67731	0.05735	-0.00030	0.00983	0.000	2.989	-0.015	8	1893
1900	1900	0.73245	0.67842	0.05735	-0.00030	0.00983	0.000	2.989	-0.015	8	1894
1901	1901	0.73272	0.67867	0.05735	-0.00030	0.00983	0.000	2.989	-0.015	8	1895
1902	1902	0.73319	0.67910	0.05734	-0.00030	0.00983	0.000	2.989	-0.015	8	1896
1903	1903	0.73496	0.68072	0.05734	-0.00030	0.00983	0.000	2.989	-0.015	8	1897
1904	1904	0.73507	0.68082	0.05734	-0.00030	0.00983	0.000	2.989	-0.015	8	1898
1905	1905	0.73515	0.68090	0.05734	-0.00030	0.00982	0.000	2.989	-0.015	8	1899
1906	1906	0.73561	0.68133	0.05733	-0.00030	0.00982	0.000	2.989	-0.015	8	1900
1907	1907	0.73899	0.68443	0.05732	-0.00030	0.00982	0.000	2.989	-0.015	8	1901
1908	1908	0.74051	0.68582	0.05731	-0.00030	0.00982	0.000	2.989	-0.015	8	1902
1909	1909	0.74147	0.68670	0.05731	-0.00030	0.00981	0.000	2.989	-0.015	8	1903
1910	1910	0.74274	0.68786	0.05730	-0.00030	0.00981	0.000	2.989	-0.015	8	1904
1911	1911	0.74681	0.69159	0.05728	-0.00031	0.00980	0.001	2.988	-0.015	8	1905
1912	1912	0.74709	0.69185	0.05728	-0.00031	0.00980	0.001	2.988	-0.015	8	1906
1913	1913	0.74761	0.69232	0.05728	-0.00031	0.00980	0.001	2.988	-0.015	8	1907
1914	1914	0.74803	0.69271	0.05727	-0.00031	0.00980	0.001	2.988	-0.015	8	1908
1915	1915	0.74824	0.69290	0.05727	-0.00031	0.00980	0.001	2.988	-0.015	8	1909
1916	1916	0.74922	0.69380	0.05727	-0.00031	0.00980	0.001	2.988	-0.015	8	1910
1917	1917	0.75017	0.69467	0.05726	-0.00031	0.00980	0.001	2.988	-0.015	8	1911
1918	1918	0.75059	0.69506	0.05726	-0.00031	0.00980	0.001	2.988	-0.015	8	1912
1919	1919	0.75445	0.69859	0.05724	-0.00031	0.00979	0.001	2.988	-0.016	8	1913
1920	1920	0.75780	0.70166	0.05722	-0.00031	0.00979	0.001	2.988	-0.016	8	1914
1921	1921	0.75942	0.70315	0.05722	-0.00031	0.00978	0.001	2.988	-0.016	8	1915
1922	1922	0.76120	0.70477	0.05721	-0.00032	0.00978	0.001	2.988	-0.016	8	1916
1923	1923	0.76165	0.70519	0.05721	-0.00032	0.00978	0.001	2.988	-0.016	8	1917
1924	1924	0.76271	0.70615	0.05720	-0.00032	0.00978	0.001	2.988	-0.016	8	1918
1925	1925	0.76337	0.70676	0.05720	-0.00032	0.00978	0.001	2.988	-0.016	8	1919
1926	1926	0.76373	0.70709	0.05719	-0.00032	0.00978	0.001	2.988	-0.016	8	1920
1927	1927	0.76557	0.70877	0.05719	-0.00032	0.00977	0.001	2.988	-0.016	8	1921
1928	1928	0.76606	0.70922	0.05718	-0.00032	0.00977	0.001	2.988	-0.016	8	1922
1929	1929	0.76692	0.71001	0.05718	-0.00032	0.00977	0.001	2.988	-0.016	8	1923
1930	1930	0.76833	0.71130	0.05717	-0.00032	0.00977	0.001	2.988	-0.016	8	1924
1931	1931	0.77324	0.71578	0.05715	-0.00032	0.00976	0.001	2.988	-0.016	8	1925
1932	1932	0.77412	0.71659	0.05714	-0.00032	0.00976	0.001	2.988	-0.016	8	1926
1933	1933	0.77500	0.71740	0.05714	-0.00032	0.00975	0.001	2.988	-0.017	8	1927
1934	1934	0.77670	0.71895	0.05713	-0.00033	0.00975	0.001	2.988	-0.017	8	1928
1935	1935	0.78077	0.72267	0.05711	-0.00033	0.00974	0.001	2.988	-0.017	8	1929
1936	1936	0.78102	0.72289	0.05711	-0.00033	0.00974	0.001	2.988	-0.017	8	1930
1937	1937	0.78570	0.72717	0.05708	-0.00033	0.00974	0.001	2.988	-0.017	8	1931
1938	1938	0.78603	0.72747	0.05708	-0.00033	0.00973	0.001	2.988	-0.017	8	1932
1939	1939	0.78786	0.72914	0.05707	-0.00033	0.00973	0.001	2.988	-0.017	8	1933
1940	1940	0.78972	0.73084	0.05706	-0.00033	0.00973	0.001	2.988	-0.017	8	1934
1941	1941	0.79062	0.73166	0.05705	-0.00033	0.00973	0.001	2.988	-0.017	8	1935
1942	1942	0.79073	0.73177	0.05705	-0.00033	0.00973	0.001	2.988	-0.017	8	1936
1943	1943	0.79135	0.73233	0.05705	-0.00033	0.00972	0.001	2.988	-0.017	8	1937
1944	1944	0.79451	0.73522	0.05703	-0.00034	0.00972	0.001	2.988	-0.017	8	1938
1945	1945	0.79663	0.73715	0.05702	-0.00034	0.00971	0.001	2.988	-0.017	8	1939
1946	1946	0.80218	0.74222	0.05699	-0.00034	0.00970	0.001	2.988	-0.018	8	1940
1947	1947	0.80222	0.74225	0.05699	-0.00034	0.00970	0.001	2.988	-0.018	8	1941
1948	1948	0.80726	0.74685	0.05696	-0.00034	0.00969	0.001	2.988	-0.018	8	1942
1949	1949	0.80747	0.74704	0.05696	-0.00034	0.00969	0.001	2.988	-0.018	8	1943
1950	1950	0.80830	0.74780	0.05696	-0.00035	0.00969	0.001	2.988	-0.018	8	1944
1951	1951	0.80911	0.74853	0.05695	-0.00035	0.00969	0.001	2.988	-0.018	8	1945
1952	1952	0.80918	0.74859	0.05695	-0.00035	0.00969	0.001	2.988	-0.018	8	1946
1953	1953	0.81409	0.75306	0.05693	-0.00035	0.00968	0.001	2.988	-0.018	8	1947
1954	1954	0.81531	0.75417	0.05692	-0.00035	0.00968	0.001	2.987	-0.018	8	1948
1955	1955	0.81646	0.75523	0.05691	-0.00035	0.00968	0.001	2.987	-0.018	8	1949
1956	1956	0.81647	0.75524	0.05691	-0.00035	0.00968	0.001	2.987	-0.018	8	1950
1957	1957	0.81704	0.75576	0.05691	-0.00035	0.00968	0.001	2.987	-0.018	8	1951

TABLE A-3 (Continued)

1958	1958	0.81964	0.75812	0.05690	-0.00035	0.00967	0.001	2.987	-0.019	8	1952
1959	1959	0.82002	0.75847	0.05689	-0.00035	0.00967	0.001	2.987	-0.019	8	1953
1960	1960	0.82072	0.75910	0.05689	-0.00035	0.00967	0.001	2.987	-0.019	8	1954
1961	1961	0.82245	0.76068	0.05688	-0.00035	0.00967	0.001	2.987	-0.019	8	1955
1962	1962	0.82347	0.76161	0.05687	-0.00035	0.00966	0.001	2.987	-0.019	8	1956
1963	1963	0.82609	0.76399	0.05686	-0.00036	0.00966	0.001	2.987	-0.019	8	1957
1964	1964	0.82720	0.76500	0.05685	-0.00036	0.00966	0.001	2.987	-0.019	8	1958
1965	1965	0.82792	0.76566	0.05685	-0.00036	0.00965	0.001	2.987	-0.019	8	1959
1966	1966	0.82902	0.76665	0.05684	-0.00036	0.00965	0.001	2.987	-0.019	8	1960
1967	1967	0.83198	0.76935	0.05682	-0.00036	0.00965	0.001	2.987	-0.019	8	1961
1968	1968	0.83433	0.77148	0.05681	-0.00036	0.00964	0.001	2.987	-0.019	8	1962
1969	1969	0.83520	0.77227	0.05681	-0.00036	0.00964	0.001	2.987	-0.019	8	1963
1970	1970	0.83540	0.77246	0.05681	-0.00036	0.00964	0.001	2.987	-0.019	8	1964
1971	1971	0.84011	0.77674	0.05678	-0.00037	0.00963	0.001	2.987	-0.020	8	1965
1972	1972	0.84107	0.77760	0.05677	-0.00037	0.00963	0.001	2.987	-0.020	8	1966
1973	1973	0.84226	0.77869	0.05677	-0.00037	0.00963	0.001	2.987	-0.020	8	1967
1974	1974	0.84423	0.78047	0.05675	-0.00037	0.00962	0.001	2.987	-0.020	8	1968
1975	1975	0.84438	0.78061	0.05675	-0.00037	0.00962	0.001	2.987	-0.020	8	1969
1976	1976	0.84687	0.78287	0.05674	-0.00037	0.00962	0.001	2.987	-0.020	8	1970
1977	1977	0.84887	0.78469	0.05673	-0.00037	0.00961	0.001	2.987	-0.020	8	1971
1978	1978	0.85477	0.79004	0.05669	-0.00038	0.00960	0.001	2.987	-0.021	8	1972
1979	1979	0.85555	0.79075	0.05669	-0.00038	0.00960	0.001	2.987	-0.021	8	1973
1980	1980	0.85656	0.79167	0.05668	-0.00038	0.00960	0.001	2.987	-0.021	8	1974
1981	1981	0.85681	0.79189	0.05668	-0.00038	0.00960	0.001	2.987	-0.021	8	1975
1982	1982	0.85754	0.79255	0.05667	-0.00038	0.00959	0.001	2.987	-0.021	8	1976
1983	1983	0.85830	0.79324	0.05667	-0.00038	0.00959	0.001	2.987	-0.021	8	1977
1984	1984	0.86158	0.79622	0.05665	-0.00038	0.00959	0.001	2.987	-0.021	8	1978
1985	1985	0.86336	0.79783	0.05664	-0.00038	0.00958	0.001	2.987	-0.021	8	1979
1986	1986	0.86392	0.79834	0.05664	-0.00038	0.00958	0.001	2.987	-0.021	8	1980
1987	1987	0.86453	0.79890	0.05663	-0.00038	0.00958	0.001	2.987	-0.021	8	1981
1988	1988	0.86513	0.79943	0.05663	-0.00038	0.00958	0.001	2.987	-0.021	8	1982
1989	1989	0.86683	0.80098	0.05662	-0.00038	0.00957	0.001	2.987	-0.021	8	1983
1990	1990	0.86803	0.80207	0.05661	-0.00038	0.00957	0.001	2.987	-0.021	8	1984
1991	1991	0.87112	0.80486	0.05659	-0.00039	0.00957	0.001	2.987	-0.022	8	1985
1992	1992	0.87129	0.80502	0.05659	-0.00039	0.00957	0.001	2.987	-0.022	8	1986
1993	1993	0.87134	0.80506	0.05659	-0.00039	0.00957	0.001	2.987	-0.022	8	1987
1994	1994	0.87389	0.80737	0.05657	-0.00039	0.00956	0.001	2.987	-0.022	8	1988
1995	1995	0.87411	0.80756	0.05657	-0.00039	0.00956	0.001	2.987	-0.022	8	1989
1996	1996	0.87507	0.80844	0.05657	-0.00039	0.00956	0.001	2.987	-0.022	8	1990
1997	1997	0.87581	0.80911	0.05656	-0.00039	0.00956	0.001	2.987	-0.022	8	1991
1998	1998	0.87629	0.80954	0.05656	-0.00039	0.00955	0.001	2.987	-0.022	8	1992
1999	1999	0.87746	0.81060	0.05655	-0.00039	0.00955	0.001	2.987	-0.022	8	1993
2000	2000	0.87763	0.81075	0.05655	-0.00039	0.00955	0.001	2.987	-0.022	8	1994
2001	2001	0.87841	0.81146	0.05655	-0.00039	0.00955	0.001	2.987	-0.022	8	1995
2002	2002	0.87892	0.61192	0.05654	-0.00039	0.00955	0.001	2.987	-0.022	8	1996
2003	2003	0.87920	0.81217	0.05654	-0.00039	0.00955	0.001	2.987	-0.022	8	1997
2004	2004	0.88036	0.81322	0.05653	-0.00039	0.00955	0.001	2.987	-0.022	8	1998
2005	2005	0.88351	0.81607	0.05651	-0.00039	0.00954	0.001	2.987	-0.022	8	1999
2006	2006	0.88556	0.81793	0.05650	-0.00040	0.00953	0.001	2.987	-0.022	8	2000
2007	2007	0.88783	0.81998	0.05649	-0.00040	0.00953	0.001	2.987	-0.023	8	2001
2008	2008	0.88831	0.82041	0.05648	-0.00040	0.00953	0.001	2.987	-0.023	8	2002
2009	2009	0.89112	0.82295	0.05647	-0.00040	0.00952	0.001	2.987	-0.023	8	2003
2010	2010	0.89619	0.82753	0.05643	-0.00040	0.00951	0.001	2.987	-0.023	8	2004
2011	2011	0.89664	0.82793	0.05643	-0.00040	0.00951	0.001	2.987	-0.023	8	2005
2012	2012	0.89718	0.82842	0.05643	-0.00040	0.00951	0.001	2.987	-0.023	8	2006
2013	2013	0.90505	0.83553	0.05638	-0.00041	0.00949	0.001	2.987	-0.024	8	2007
2014	2014	0.90523	0.83569	0.05637	-0.00041	0.00949	0.001	2.987	-0.024	8	2008
2015	2015	0.90632	0.83667	0.05637	-0.00041	0.00949	0.001	2.987	-0.024	8	2009
2016	2016	0.91027	0.84023	0.05634	-0.00041	0.00948	0.001	2.987	-0.024	8	2010
2017	2017	0.91038	0.84033	0.05634	-0.00041	0.00948	0.001	2.987	-0.024	8	2011
2018	2018	0.91186	0.84167	0.05633	-0.00041	0.00948	0.001	2.987	-0.024	8	2012
2019	2019	0.91322	0.84289	0.05632	-0.00041	0.00947	0.001	2.987	-0.025	8	2013
2020	2020	0.91469	0.84421	0.05631	-0.00042	0.00947	0.001	2.987	-0.025	8	2014
2021	2021	0.91800	0.84719	0.05629	-0.00042	0.00946	0.001	2.987	-0.025	8	2015
2022	2022	0.91977	0.84879	0.05628	-0.00042	0.00946	0.001	2.987	-0.025	1	2016
2023	2023	0.92008	0.84907	0.05628	-0.00042	0.00946	0.001	2.987	-0.025	1	2017

TABLE A-3 (Continued)

2024	2024	0.92226	0.85104	0.05626	-0.00042	0.00945	0.001	2.987	-0.025	1	2018
2025	2025	0.92260	0.85134	0.05626	-0.00042	0.00945	0.001	2.987	-0.025	1	2019
2026	2026	0.92436	0.85292	0.05625	-0.00042	0.00945	0.001	2.987	-0.025	1	2020
2027	2027	0.92533	0.85380	0.05624	-0.00042	0.00945	0.001	2.987	-0.026	1	2021
2028	2028	0.92853	0.85667	0.05622	-0.00043	0.00944	0.001	2.987	-0.026	1	2022
2029	2029	0.92899	0.85700	0.05622	-0.00043	0.00944	0.001	2.987	-0.026	1	2023
2030	2030	0.93038	0.85834	0.05621	-0.00043	0.00944	0.001	2.987	-0.026	1	2024
2031	2031	0.93140	0.85907	0.05620	-0.00043	0.00943	0.001	2.987	-0.026	1	2025
2032	2032	0.93179	0.85960	0.05620	-0.00043	0.00943	0.001	2.987	-0.026	1	2026
2033	2033	0.93233	0.86009	0.05619	-0.00043	0.00943	0.001	2.987	-0.026	1	2027
2034	2034	0.93353	0.86126	0.05618	-0.00043	0.00943	0.001	2.987	-0.026	1	2028
2035	2035	0.93371	0.86134	0.05618	-0.00043	0.00943	0.001	2.987	-0.026	1	2029
2036	2036	0.93477	0.85228	0.05618	-0.00043	0.00943	0.001	2.987	-0.026	1	2030
2037	2037	0.93488	0.86238	0.05617	-0.00043	0.00943	0.001	2.987	-0.026	1	2031
2038	2038	0.93555	0.86298	0.05617	-0.00043	0.00942	0.001	2.987	-0.026	1	2032
2039	2039	0.93607	0.86346	0.05617	-0.00043	0.00942	0.001	2.987	-0.026	1	2033
2040	2040	0.93732	0.86458	0.05616	-0.00043	0.00942	0.001	2.987	-0.027	1	2034
2041	2041	0.93767	0.86489	0.05616	-0.00043	0.00942	0.001	2.987	-0.027	1	2035
2042	2042	0.93791	0.86511	0.05615	-0.00043	0.00942	0.001	2.987	-0.027	1	2036
2043	2043	0.94068	0.86759	0.05613	-0.00043	0.00941	0.001	2.987	-0.027	1	2037
2044	2044	0.94193	0.86872	0.05613	-0.00043	0.00941	0.001	2.987	-0.027	1	2038
2045	2045	0.94387	0.87046	0.05611	-0.00044	0.00940	0.001	2.987	-0.027	1	2039
2046	2046	0.94387	0.87046	0.05611	-0.00044	0.00940	0.001	2.987	-0.027	1	2040
2047	2047	0.94501	0.87148	0.05610	-0.00044	0.00940	0.001	2.987	-0.027	1	2041
2048	2048	0.94648	0.87281	0.05609	-0.00044	0.00940	0.001	2.987	-0.027	1	2042
2049	2049	0.94684	0.87313	0.05609	-0.00044	0.00940	0.001	2.987	-0.027	1	2043
2050	2050	0.94931	0.87534	0.05607	-0.00044	0.00939	0.001	2.987	-0.028	1	2044
2051	2051	0.95057	0.87648	0.05607	-0.00044	0.00939	0.001	2.987	-0.028	1	2045
2052	2052	0.95171	0.87749	0.05606	-0.00044	0.00939	0.001	2.987	-0.028	1	2046
2053	2053	0.95178	0.87756	0.05606	-0.00044	0.00939	0.001	2.987	-0.028	1	2047
2054	2054	0.95368	0.87908	0.05605	-0.00044	0.00938	0.001	2.987	-0.028	1	2048
2055	2055	0.95370	0.87926	0.05604	-0.00044	0.00938	0.001	2.987	-0.028	1	2049
2056	2056	0.95470	0.88017	0.05604	-0.00044	0.00938	0.001	2.987	-0.028	1	2050
2057	2057	0.95741	0.88260	0.05602	-0.00044	0.00937	0.001	2.987	-0.029	1	2051
2058	2058	0.95748	0.88266	0.05602	-0.00044	0.00937	0.001	2.987	-0.029	1	2052
2059	2059	0.95852	0.88360	0.05601	-0.00045	0.00937	0.001	2.987	-0.029	1	2053
2060	2060	0.95928	0.88428	0.05600	-0.00045	0.00937	0.001	2.987	-0.029	1	2054
2061	2061	0.95937	0.88436	0.05600	-0.00045	0.00937	0.001	2.987	-0.029	1	2055
2062	2062	0.96004	0.88496	0.05600	-0.00045	0.00937	0.001	2.987	-0.029	1	2056
2063	2063	0.96039	0.88527	0.05600	-0.00045	0.00937	0.001	2.987	-0.029	1	2057
2064	2064	0.96564	0.88997	0.05596	-0.00045	0.00935	0.001	2.987	-0.030	1	2058
2065	2065	0.96699	0.89118	0.05595	-0.00045	0.00935	0.001	2.987	-0.030	1	2059
2066	2066	0.96717	0.89135	0.05595	-0.00045	0.00935	0.001	2.987	-0.030	1	2060
2067	2067	0.96929	0.89325	0.05593	-0.00045	0.00934	0.001	2.987	-0.030	1	2061
2068	2068	0.97174	0.89544	0.05591	-0.00045	0.00934	0.001	2.987	-0.030	1	2062
2069	2069	0.98141	0.90409	0.05584	-0.00046	0.00932	0.001	2.987	-0.031	1	2063
2070	2070	0.98215	0.90475	0.05584	-0.00046	0.00931	0.001	2.987	-0.032	1	2064
2071	2071	0.98222	0.90481	0.05584	-0.00046	0.00931	0.001	2.987	-0.032	1	2065
2072	2072	0.98508	0.90736	0.05582	-0.00046	0.00931	0.001	2.987	-0.032	1	2066
2073	2073	0.98569	0.90791	0.05581	-0.00046	0.00931	0.001	2.987	-0.032	1	2067
2074	2074	0.98632	0.90846	0.05581	-0.00046	0.00930	0.001	2.987	-0.032	1	2068
2075	2075	0.98956	0.91136	0.05578	-0.00047	0.00930	0.001	2.988	-0.033	1	2069
2076	2076	0.99038	0.91209	0.05578	-0.00047	0.00929	0.001	2.988	-0.033	1	2070
2077	2077	0.99396	0.91529	0.05575	-0.00047	0.00929	0.001	2.988	-0.033	1	2071
2078	2078	0.99467	0.91592	0.05575	-0.00047	0.00928	0.001	2.988	-0.033	1	2072
2079	2079	0.99471	0.91595	0.05574	-0.00047	0.00928	0.001	2.988	-0.033	1	2073
2080	2080	0.99601	0.91712	0.05574	-0.00047	0.00928	0.001	2.988	-0.034	1	2074
2081	2081	0.99610	0.91720	0.05573	-0.00047	0.00928	0.001	2.988	-0.034	1	2075
2082	2082	0.99640	0.91746	0.05573	-0.00047	0.00928	0.001	2.988	-0.034	1	2076
2083	2083	0.99692	0.91792	0.05573	-0.00047	0.00928	0.001	2.988	-0.034	1	2077
2084	2084	0.99857	0.91940	0.05572	-0.00047	0.00927	0.001	2.988	-0.034	1	2078
2085	2085	0.99956	0.92028	0.05571	-0.00047	0.00927	0.001	2.988	-0.034	1	2079
2086	2086	1.00119	0.92173	0.05570	-0.00047	0.00927	0.001	2.988	-0.034	1	2080
2087	2087	1.00233	0.92275	0.05569	-0.00047	0.00927	0.001	2.988	-0.035	1	2081
2088	2088	1.00593	0.92595	0.05566	-0.00047	0.00926	0.001	2.988	-0.035	1	2082
2089	2089	1.00683	0.92675	0.05565	-0.00048	0.00926	0.001	2.988	-0.035	1	2083

TABLE A-3 (Continued)

2090	2090	1.00903	0.92872	0.05564	-0.00048	0.00925	0.001	2.988	-0.036	1	2084
2091	2091	1.00956	0.92919	0.05563	-0.00048	0.00925	0.001	2.988	-0.036	1	2085
2092	2092	1.01021	0.92977	0.05563	-0.00048	0.00925	0.001	2.988	-0.036	1	2086
2093	2093	1.01190	0.93127	0.05561	-0.00048	0.00924	0.001	2.988	-0.036	1	2087
2094	2094	1.01337	0.93258	0.05560	-0.00048	0.00924	0.001	2.988	-0.037	1	2088
2095	2095	1.01473	0.93378	0.05559	-0.00048	0.00924	0.001	2.988	-0.037	1	2089
2096	2096	1.01702	0.93582	0.05558	-0.00048	0.00923	0.001	2.988	-0.037	1	2090
2097	2097	1.01941	0.93795	0.05556	-0.00048	0.00922	0.001	2.989	-0.038	1	2091
2098	2098	1.02132	0.93965	0.05554	-0.00048	0.00922	0.001	2.989	-0.038	1	2092
2099	2099	1.02315	0.94127	0.05553	-0.00048	0.00922	0.001	2.989	-0.039	1	2093
2100	2100	1.02652	0.94426	0.05550	-0.00049	0.00921	0.001	2.989	-0.040	1	2094
2101	2101	1.03344	0.95041	0.05545	-0.00049	0.00919	0.001	2.989	-0.041	1	2095
2102	2102	1.03608	0.95275	0.05543	-0.00049	0.00918	0.001	2.989	-0.042	1	2096
2103	2103	1.03664	0.95325	0.05542	-0.00049	0.00918	0.001	2.989	-0.042	1	2097
2104	2104	1.03674	0.95334	0.05542	-0.00049	0.00918	0.001	2.989	-0.042	1	2098
2105	2105	1.03720	0.95374	0.05542	-0.00049	0.00918	0.001	2.989	-0.042	1	2099
2106	2106	1.03861	0.95499	0.05541	-0.00049	0.00918	0.001	2.990	-0.043	1	2100
2107	2107	1.04035	0.95654	0.05539	-0.00049	0.00917	0.001	2.990	-0.043	1	2101
2108	2108	1.04044	0.95661	0.05539	-0.00049	0.00917	0.001	2.990	-0.043	1	2102
2109	2109	1.04412	0.95987	0.05536	-0.00050	0.00916	0.001	2.990	-0.044	1	2103
2110	2110	1.04622	0.96173	0.05535	-0.00050	0.00916	0.001	2.990	-0.045	1	2104
2111	2111	1.04718	0.96259	0.05534	-0.00050	0.00916	0.001	2.990	-0.045	1	2105
2112	2112	1.04742	0.96279	0.05534	-0.00050	0.00916	0.001	2.990	-0.045	1	2106
2113	2113	1.04791	0.96323	0.05533	-0.00050	0.00916	0.001	2.990	-0.046	1	2107
2114	2114	1.04936	0.96452	0.05532	-0.00050	0.00915	0.001	2.990	-0.046	1	2108
2115	2115	1.05074	0.96574	0.05531	-0.00050	0.00915	0.001	2.990	-0.047	1	2109
2116	2116	1.05097	0.96594	0.05531	-0.00050	0.00915	0.001	2.990	-0.047	1	2110
2117	2117	1.05158	0.96648	0.05530	-0.00050	0.00915	0.001	2.990	-0.047	1	2111
2118	2118	1.05249	0.96728	0.05530	-0.00050	0.00914	0.001	2.990	-0.047	1	2112
2119	2119	1.05371	0.96837	0.05529	-0.00050	0.00914	0.001	2.991	-0.048	1	2113
2120	2120	1.05711	0.97137	0.05526	-0.00050	0.00913	0.001	2.991	-0.049	1	2114
2121	2121	1.06461	0.97800	0.05520	-0.00051	0.00911	0.002	2.991	-0.052	1	2115
2122	2122	1.06527	0.97858	0.05519	-0.00051	0.00911	0.002	2.991	-0.053	1	2116
2123	2123	1.06717	0.98026	0.05518	-0.00051	0.00911	0.002	2.992	-0.054	1	2117
2124	2124	1.07486	0.98705	0.05512	-0.00051	0.00909	0.002	2.992	-0.058	1	2118
2125	2125	1.07598	0.98804	0.05511	-0.00051	0.00909	0.002	2.992	-0.059	1	2119
2126	2126	1.07600	0.98805	0.05511	-0.00051	0.00909	0.002	2.992	-0.059	1	2120
2127	2127	1.07804	0.98985	0.05509	-0.00051	0.00908	0.002	2.993	-0.060	1	2121
2128	2128	1.07850	0.99026	0.05509	-0.00051	0.00908	0.002	2.993	-0.061	1	2122
2129	2129	1.08024	0.99179	0.05507	-0.00051	0.00908	0.002	2.993	-0.062	1	2123
2130	2130	1.08097	0.99243	0.05507	-0.00051	0.00908	0.002	2.993	-0.062	1	2124
2131	2131	1.08109	0.99253	0.05507	-0.00051	0.00908	0.002	2.993	-0.062	1	2125
2132	2132	1.08185	0.99320	0.05506	-0.00051	0.00907	0.002	2.993	-0.063	1	2126
2133	2133	1.08289	0.99412	0.05505	-0.00051	0.00907	0.002	2.993	-0.064	1	2127
2134	2134	1.08351	0.99466	0.05505	-0.00051	0.00907	0.002	2.993	-0.064	1	2128
2135	2135	1.08449	0.99553	0.05504	-0.00051	0.00907	0.002	2.993	-0.065	1	2129
2136	2136	1.08467	0.99569	0.05504	-0.00051	0.00907	0.002	2.993	-0.065	1	2130
2137	2137	1.08506	0.99603	0.05503	-0.00051	0.00907	0.002	2.993	-0.066	1	2131
2138	2138	1.08631	0.99713	0.05502	-0.00051	0.00906	0.002	2.993	-0.067	1	2132
2139	2139	1.09074	1.00103	0.05499	-0.00051	0.00905	0.002	2.994	-0.071	1	2133
2140	2140	1.09511	1.00488	0.05495	-0.00052	0.00904	0.002	2.995	-0.076	1	2134
2141	2141	1.09771	1.00716	0.05493	-0.00052	0.00904	0.002	2.995	-0.080	1	2135
2142	2142	1.10018	1.00933	0.05491	-0.00052	0.00903	0.002	2.995	-0.083	1	2136
2143	2143	1.10568	1.01416	0.05486	-0.00052	0.00902	0.002	2.996	-0.093	1	2137
2144	2144	1.10777	1.01600	0.05485	-0.00052	0.00901	0.002	2.996	-0.097	1	2138
2145	2145	1.10787	1.01608	0.05484	-0.00052	0.00901	0.002	2.996	-0.098	1	2139
2146	2146	1.10899	1.01706	0.05484	-0.00052	0.00901	0.002	2.996	-0.100	1	2140
2147	2147	1.11149	1.01926	0.05481	-0.00052	0.00900	0.002	2.997	-0.107	1	2141
2148	2148	1.11223	1.01991	0.05481	-0.00052	0.00900	0.002	2.997	-0.109	1	2142
2149	2149	1.11374	1.02123	0.05480	-0.00052	0.00900	0.002	2.997	-0.114	1	2143
2150	2150	1.11402	1.02148	0.05479	-0.00052	0.00900	0.002	2.997	-0.114	1	2144
2151	2151	1.11662	1.02376	0.05477	-0.00052	0.00899	0.002	2.997	-0.124	1	2145
2152	2152	1.11886	1.02572	0.05475	-0.00052	0.00899	0.002	2.998	-0.133	1	2146
2153	2153	1.11932	1.02612	0.05475	-0.00052	0.00899	0.002	2.998	-0.136	1	2147
2154	2154	1.12535	1.03141	0.05470	-0.00052	0.00897	0.002	2.999	-0.174	1	2148
2155	2155	1.12793	1.03366	0.05468	-0.00052	0.00897	0.002	2.999	-0.199	1	2149

TABLE A-3 (Continued)

2156	2156	1.13013	1.03558	0.05466	-0.00052	0.00896	0.002	3.000	-0.228	1	2150
2157	2157	1.13084	1.03621	0.05465	-0.00052	0.00896	0.002	3.000	-0.239	1	2151
2158	2158	1.13206	1.03727	0.05464	-0.00052	0.00896	0.002	3.000	-0.261	1	2152
2159	2159	1.13494	1.03979	0.05462	-0.00052	0.00895	0.002	3.001	-0.338	1	2153
2160	2160	1.13550	1.04028	0.05461	-0.00052	0.00895	0.002	3.001	-0.359	1	2154
2161	2161	1.13565	1.04041	0.05461	-0.00052	0.00895	0.002	3.001	-0.365	1	2155
2162	2162	1.13964	1.04389	0.05458	-0.00052	0.00894	0.002	3.002	-0.671	1	2156
2163	2163	1.14059	1.04472	0.05457	-0.00052	0.00894	0.002	3.002	-0.845	1	2157
2164	2164	1.14088	1.04498	0.05457	-0.00052	0.00894	0.002	3.002	-0.921	1	2158
2165	2165	1.14224	1.04617	0.05456	-0.00052	0.00894	0.002	3.002	-1.563	1	2159
2166	2166	1.14310	1.04692	0.05455	-0.00052	0.00893	0.002	3.002	-2.821	1	2160
2167	2167	1.14379	1.04752	0.05455	-0.00052	0.00893	0.002	3.002	-3.010	1	2161
2168	2168	1.14499	1.04857	0.05454	-0.00052	0.00893	0.002	3.003	3.551	6	2162
2169	2169	1.14724	1.05052	0.05452	-0.00052	0.00893	0.002	3.003	0.947	4	163
2170	2170	1.14769	1.05092	0.05451	-0.00052	0.00892	0.002	3.003	0.822	4	2164
2171	2171	1.14774	1.05096	0.05451	-0.00052	0.00892	0.002	3.003	0.812	4	2165
2172	2172	1.14897	1.05204	0.05450	-0.00052	0.00892	0.002	3.004	0.599	4	2166
2173	2173	1.14917	1.05221	0.05450	-0.00052	0.00892	0.002	3.004	0.575	4	2167
2174	2174	1.14972	1.05269	0.05450	-0.00052	0.00892	0.002	3.004	0.516	4	2168
2175	2175	1.15260	1.05520	0.05447	-0.00052	0.00891	0.002	3.004	0.334	4	2169
2176	2176	1.15333	1.05583	0.05447	-0.00052	0.00891	0.002	3.005	0.306	4	2170
2177	2177	1.15449	1.05685	0.05446	-0.00052	0.00891	0.002	3.005	0.270	4	2171
2178	2178	1.15937	1.06110	0.05442	-0.00052	0.00890	0.002	3.006	0.178	4	2172
2179	2179	1.16094	1.06247	0.05440	-0.00052	0.00890	0.002	3.006	0.160	4	2173
2180	2180	1.16285	1.06412	0.05439	-0.00052	0.00889	0.002	3.007	0.142	4	2174
2181	2181	1.16771	1.06836	0.05435	-0.00051	0.00888	0.002	3.008	0.109	4	2175
2182	2182	1.17050	1.07078	0.05432	-0.00051	0.00888	0.002	3.009	0.095	4	2176
2183	2183	1.17060	1.07087	0.05432	-0.00051	0.00888	0.002	3.009	0.095	4	2177
2184	2184	1.17132	1.07149	0.05432	-0.00051	0.00888	0.002	3.009	0.092	4	2178
2185	2185	1.17393	1.07376	0.05430	-0.00051	0.00887	0.002	3.010	0.082	4	2179
2186	2186	1.17460	1.07434	0.05429	-0.00051	0.00887	0.002	3.010	0.080	4	2180
2187	2187	1.18024	1.07924	0.05424	-0.00051	0.00886	0.002	3.012	0.065	4	2181
2188	2188	1.18448	1.08292	0.05421	-0.00051	0.00885	0.002	3.013	0.056	4	2182
2189	2189	1.18578	1.08405	0.05420	-0.00051	0.00885	0.002	3.014	0.054	4	2183
2190	2190	1.18906	1.08689	0.05417	-0.00050	0.00885	0.002	3.015	0.049	4	2184
2191	2191	1.18986	1.08758	0.05417	-0.00050	0.00885	0.002	3.015	0.048	4	2185
2192	2192	1.19341	1.09066	0.05414	-0.00050	0.00884	0.002	3.016	0.043	4	2186
2193	2193	1.19356	1.09079	0.05414	-0.00050	0.00884	0.002	3.016	0.043	4	2187
2194	2194	1.19611	1.09300	0.05412	-0.00050	0.00884	0.002	3.017	0.040	4	2188
2195	2195	1.19637	1.09322	0.05411	-0.00050	0.00884	0.002	3.017	0.039	4	2189
2196	2196	1.19833	1.09492	0.05410	-0.00050	0.00883	0.002	3.018	0.037	4	2190
2197	2197	1.19844	1.09501	0.05410	-0.00050	0.00883	0.002	3.018	0.037	4	2191
2198	2198	1.19951	1.09594	0.05409	-0.00049	0.00883	0.002	3.018	0.036	4	2192
2199	2199	1.20519	1.10086	0.05404	-0.00049	0.00882	0.002	3.021	0.031	4	2193
2200	2200	1.20574	1.10133	0.05404	-0.00049	0.00882	0.002	3.021	0.031	4	2194
2201	2201	1.20906	1.10421	0.05401	-0.00049	0.00882	0.001	3.022	0.028	4	2195
2202	2202	1.21130	1.10614	0.05400	-0.00048	0.00881	0.001	3.023	0.027	4	2196
2203	2203	1.21519	1.10950	0.05397	-0.00048	0.00881	0.001	3.025	0.024	8	2197
2204	2204	1.21600	1.11020	0.05396	-0.00048	0.00881	0.001	3.025	0.024	7	2198
2205	2205	1.22015	1.11378	0.05393	-0.00047	0.00880	0.001	3.027	0.022	7	2199
2206	2206	1.22058	1.11415	0.05393	-0.00047	0.00880	0.001	3.027	0.021	7	2200
2207	2207	1.22595	1.11878	0.05389	-0.00047	0.00880	0.001	3.030	0.019	7	2201
2208	2208	1.23022	1.12246	0.05385	-0.00046	0.00879	0.001	3.032	0.017	7	2202
2209	2209	1.23246	1.12439	0.05384	-0.00046	0.00879	0.001	3.033	0.016	7	2203
2210	2210	1.23277	1.12465	0.05384	-0.00046	0.00879	0.001	3.033	0.016	7	2204
2211	2211	1.23714	1.12842	0.05380	-0.00045	0.00879	0.001	3.035	0.014	7	2205
2212	2212	1.24015	1.13101	0.05378	-0.00044	0.00879	0.001	3.037	0.013	7	2206
2213	2213	1.24029	1.13113	0.05378	-0.00044	0.00878	0.001	3.037	0.013	7	2207
2214	2214	1.24441	1.13468	0.05375	-0.00044	0.00878	0.001	3.040	0.012	7	2208
2215	2215	1.24575	1.13583	0.05374	-0.00043	0.00878	0.001	3.040	0.012	7	2209
2216	2216	1.24610	1.13613	0.05374	-0.00043	0.00878	0.001	3.041	0.012	7	2210
2217	2217	1.24984	1.13934	0.05372	-0.00043	0.00878	0.001	3.043	0.011	7	2211
2218	2218	1.24992	1.13942	0.05371	-0.00043	0.00878	0.001	3.043	0.011	7	2212
2219	2219	1.25086	1.14022	0.05371	-0.00042	0.00878	0.001	3.043	0.010	7	2213
2220	2220	1.25108	1.14041	0.05371	-0.00042	0.00878	0.001	3.044	0.010	7	2214
2221	2221	1.25420	1.14309	0.05369	-0.00042	0.00878	0.001	3.046	0.010	7	2215

TABLE A-3 (Continued)

2222	2222	1.26149	1.14935	0.05364	-0.00040	0.00878	0.001	3.050	0.008	7	2216
2223	2223	1.26288	1.15054	0.05363	-0.00040	0.00878	0.001	3.051	0.008	7	2217
2224	2224	1.26304	1.15068	0.05363	-0.00040	0.00878	0.001	3.051	0.008	7	2218
2225	2225	1.26553	1.15281	0.05361	-0.00039	0.00878	0.001	3.053	0.007	7	2219
2226	2226	1.26565	1.15292	0.05361	-0.00039	0.00878	0.001	3.053	0.007	7	2220
2227	2227	1.26653	1.15368	0.05361	-0.00039	0.00878	0.001	3.054	0.007	7	2221
2228	2228	1.26895	1.15575	0.05359	-0.00038	0.00878	0.001	3.056	0.007	7	2222
2229	2229	1.26958	1.15629	0.05359	-0.00038	0.00878	0.001	3.056	0.006	7	2223
2230	2230	1.27130	1.15777	0.05358	-0.00038	0.00878	0.001	3.057	0.006	7	2224
2231	2231	1.27134	1.15780	0.05358	-0.00038	0.00878	0.001	3.057	0.006	7	2225
2232	2232	1.27334	1.15951	0.05356	-0.00037	0.00878	0.001	3.059	0.006	7	2226
2233	2233	1.28484	1.16936	0.05350	-0.00034	0.00878	0.001	3.068	0.004	7	2227
2234	2234	1.28575	1.17014	0.05349	-0.00033	0.00878	0.001	3.069	0.004	7	2228
2235	2235	1.28815	1.17220	0.05348	-0.00033	0.00878	0.001	3.071	0.004	7	2229
2236	2236	1.29088	1.17453	0.05347	-0.00032	0.00879	0.001	3.074	0.003	7	2230
2237	2237	1.29260	1.17600	0.05346	-0.00031	0.00879	0.001	3.075	0.003	7	2231
2238	2238	1.29424	1.17740	0.05345	-0.00031	0.00879	0.001	3.077	0.003	7	2232
2239	2239	1.29586	1.17879	0.05344	-0.00030	0.00879	0.001	3.078	0.003	7	2233
2240	2240	1.29707	1.17982	0.05344	-0.00030	0.00879	0.001	3.079	0.003	7	2234
2241	2241	1.29845	1.18100	0.05343	-0.00029	0.00879	0.001	3.081	0.003	7	2235
2242	2242	1.30149	1.18360	0.05342	-0.00028	0.00880	0.001	3.084	0.002	7	2236
2243	2243	1.30213	1.18415	0.05341	-0.00028	0.00880	0.001	3.084	0.002	7	2237
2244	2244	1.30411	1.18584	0.05341	-0.00027	0.00880	0.000	3.086	0.002	7	2238
2245	2245	1.30502	1.18662	0.05340	-0.00027	0.00880	0.000	3.087	0.002	7	2239
2246	2246	1.30507	1.18666	0.05340	-0.00027	0.00880	0.000	3.087	0.002	7	2240
2247	2247	1.30793	1.18910	0.05339	-0.00025	0.00881	0.000	3.090	0.002	7	2241
2248	2248	1.30872	1.18978	0.05339	-0.00025	0.00881	0.000	3.091	0.002	7	2242
2249	2249	1.30879	1.18984	0.05339	-0.00025	0.00881	0.000	3.091	0.002	7	2243
2250	2250	1.31466	1.19485	0.05336	-0.00023	0.00882	0.000	3.097	0.001	7	2244
2251	2251	1.31797	1.19768	0.05335	-0.00021	0.00883	0.000	3.101	0.001	7	2245
2252	2252	1.31869	1.19829	0.05335	-0.00021	0.00883	0.000	3.102	0.001	7	2246
2253	2253	1.32349	1.20239	0.05333	-0.00018	0.00884	0.000	3.108	0.001	7	2247
2254	2254	1.32826	1.20646	0.05332	-0.00016	0.00885	0.000	3.113	0.001	7	2248
2255	2255	1.32972	1.20771	0.05332	-0.00015	0.00886	0.000	3.115	0.001	7	2249
2256	2256	1.32997	1.20792	0.05332	-0.00015	0.00886	0.000	3.116	0.000	7	2250
2257	2257	1.33030	1.20820	0.05332	-0.00015	0.00886	0.000	3.116	0.000	7	2251
2258	2258	1.33306	1.21055	0.05331	-0.00014	0.00887	0.000	3.119	0.000	7	2252
2259	2259	1.33503	1.21223	0.05331	-0.00012	0.00887	0.000	3.122	0.000	7	2253
2260	2260	1.33612	1.21316	0.05330	-0.00012	0.00887	0.000	3.124	0.000	7	2254
2261	2261	1.34002	1.21649	0.05330	-0.00010	0.00889	0.000	3.129	0.000	7	2255
2262	2262	1.34033	1.21675	0.05330	-0.00009	0.00889	0.000	3.129	0.000	7	2256
2263	2263	1.34850	1.22372	0.05329	-0.00004	0.00892	0.000	3.141	0.000	7	2257
2264	2264	1.34883	1.22400	0.05329	-0.00004	0.00892	0.000	3.141	0.000	7	2258
2265	2265	1.35317	1.22770	0.05329	-0.00001	0.00894	0.000	3.148	0.000	7	2259
2266	2266	1.35401	1.22842	0.05329	-0.00001	0.00894	0.000	3.149	0.000	7	2260
2267	2267	1.36025	1.23374	0.05329	0.00004	0.00897	0.000	3.159	0.000	7	2261
2268	2268	1.36264	1.23577	0.05329	0.00005	0.00898	0.000	3.163	0.000	7	2262
2269	2269	1.36362	1.23661	0.05329	0.00006	0.00899	0.000	3.165	0.000	7	2263
2270	2270	1.37245	1.24414	0.05330	0.00013	0.00904	0.000	3.180	0.000	7	2264
2271	2271	1.37544	1.24669	0.05331	0.00015	0.00905	0.000	3.186	0.000	7	2265
2272	2272	1.39356	1.26215	0.05338	0.00032	0.00918	0.001	3.222	0.001	7	2266
2273	2273	1.39494	1.26334	0.05338	0.00034	0.00919	0.001	3.224	0.001	7	2267
2274	2274	1.40041	1.26801	0.05342	0.00039	0.00923	0.001	3.236	0.002	7	2268
2275	2275	1.40367	1.27080	0.05344	0.00043	0.00926	0.001	3.244	0.002	7	2269
2276	2276	1.40689	1.27355	0.05346	0.00047	0.00929	0.001	3.251	0.002	7	2270
2277	2277	1.40841	1.27485	0.05347	0.00048	0.00931	0.002	3.255	0.002	7	2271
2278	2278	1.40911	1.27544	0.05348	0.00049	0.00931	0.002	3.256	0.002	7	2272
2279	2279	1.41863	1.28360	0.05356	0.00061	0.00941	0.002	3.280	0.003	7	2273
2280	2280	1.41901	1.28393	0.05357	0.00061	0.00941	0.002	3.281	0.003	7	2274
2281	2281	1.42156	1.28611	0.05359	0.00065	0.00944	0.003	3.287	0.004	7	2275
2282	2282	1.43001	1.29336	0.05369	0.00076	0.00954	0.004	3.310	0.005	7	2276
2283	2283	1.43628	1.29875	0.05377	0.00086	0.00962	0.005	3.327	0.006	7	2277
2284	2284	1.45565	1.31546	0.05408	0.00118	0.00990	0.009	3.385	0.009	7	2278
2285	2285	1.46787	1.32607	0.05433	0.00141	0.01011	0.012	3.425	0.011	7	2279
2286	2286	1.47353	1.33099	0.05447	0.00152	0.01022	0.014	3.445	0.013	7	2280
2287	2287	1.47474	1.33205	0.05450	0.00155	0.01024	0.015	3.449	0.013	7	2281

TABLE A-3 (Continued)

2288	2288	1.47653	1.33360	0.05454	0.00159	0.01028	0.016	3.455	0.014	7	2282
2289	2289	1.47679	1.33383	0.05455	0.00159	0.01028	0.016	3.456	0.014	7	2283
2290	2290	1.47979	1.33645	0.05463	0.00166	0.01034	0.017	3.467	0.015	7	2284
2291	2291	1.49810	1.35253	0.05518	0.00210	0.01076	0.026	3.534	0.020	7	2285
2292	2292	1.50517	1.35879	0.05542	0.00229	0.01094	0.031	3.562	0.023	7	2286
2293	2293	1.51168	1.36458	0.05567	0.00248	0.01112	0.036	3.587	0.025	4	2287
2294	2294	1.51383	1.36649	0.05576	0.00254	0.01118	0.037	3.595	0.026	4	2288
2295	2295	1.51678	1.36912	0.05588	0.00263	0.01126	0.040	3.607	0.028	4	2289
2296	2296	1.51835	1.37053	0.05595	0.00268	0.01131	0.041	3.613	0.028	4	2290
2297	2297	1.52678	1.37810	0.05633	0.00294	0.01157	0.048	3.647	0.032	4	2291
2298	2298	1.52799	1.37919	0.05638	0.00298	0.01161	0.050	3.652	0.033	4	2292
2299	2299	1.53155	1.38241	0.05656	0.00310	0.01173	0.053	3.666	0.035	4	2293
2300	2300	1.53322	1.38392	0.05664	0.00316	0.01178	0.055	3.673	0.036	4	2294
2301	2301	1.53368	1.38434	0.05666	0.00318	0.01180	0.055	3.675	0.036	4	2295
2302	2302	1.55948	1.40802	0.05817	0.00416	0.01278	0.088	3.777	0.053	4	2296
2303	2303	1.56601	1.41412	0.05862	0.00445	0.01307	0.098	3.802	0.058	4	2297
2304	2304	1.56782	1.41583	0.05875	0.00453	0.01315	0.101	3.809	0.060	4	2298
2305	2305	1.56960	1.41750	0.05888	0.00461	0.01323	0.104	3.815	0.061	4	2299
2306	2306	1.58143	1.42873	0.05981	0.00516	0.01379	0.125	3.857	0.073	4	2300
2307	2307	1.58491	1.43207	0.06010	0.00534	0.01397	0.131	3.868	0.076	4	2301
2308	2308	1.59344	1.44032	0.06086	0.00578	0.01442	0.148	3.895	0.086	4	2302
2309	2309	1.59621	1.44302	0.06111	0.00592	0.01458	0.154	3.903	0.090	4	2303
2310	2310	1.59895	1.44571	0.06138	0.00607	0.01473	0.160	3.910	0.094	4	2304
2311	2311	1.60002	1.44676	0.06148	0.00613	0.01479	0.162	3.913	0.095	4	2305
2312	2312	1.60164	1.44836	0.06164	0.00622	0.01489	0.165	3.917	0.097	4	2306
2313	2313	1.60327	1.44996	0.06181	0.00631	0.01498	0.169	3.922	0.100	4	2307
2314	2314	1.61534	1.46203	0.06309	0.00702	0.01572	0.196	3.948	0.119	4	2308
2315	2315	1.62482	1.47168	0.06420	0.00761	0.01634	0.219	3.964	0.137	4	2309
2316	2316	1.63503	1.48227	0.06550	0.00827	0.01705	0.244	3.973	0.161	4	2310
2317	2317	1.64174	1.48935	0.06641	0.00873	0.01754	0.260	3.976	0.178	4	2311
2318	2318	1.64422	1.49199	0.06676	0.00890	0.01772	0.266	3.976	0.186	4	2312
2319	2319	1.67286	1.52359	0.07131	0.01100	0.02004	0.334	3.941	0.309	4	2313
2320	2320	1.67535	1.52644	0.07175	0.01119	0.02026	0.339	3.934	0.325	4	2314
2321	2321	1.68121	1.53321	0.07282	0.01164	0.02077	0.351	3.917	0.368	4	2315
2322	2322	1.69532	1.54997	0.07558	0.01275	0.02206	0.377	3.863	0.520	4	2316
2323	2323	1.69645	1.55134	0.07581	0.01284	0.02217	0.378	3.857	0.537	4	2317
2324	2324	1.69890	1.55432	0.07632	0.01303	0.02240	0.382	3.846	0.577	4	2318
2325	2325	1.70592	1.56297	0.07781	0.01359	0.02307	0.392	3.810	0.726	4	2319
2326	2326	1.71155	1.57004	0.07906	0.01403	0.02361	0.398	3.778	0.909	4	2320
2327	2327	1.71392	1.57304	0.07959	0.01421	0.02384	0.401	3.764	1.013	5	2321
2328	2328	1.71639	1.57620	0.08016	0.01440	0.02408	0.403	3.749	1.151	6	2322
2329	2329	1.72077	1.58185	0.08118	0.01474	0.02451	0.406	3.720	1.508	6	2323
2330	2330	1.72296	1.58470	0.08169	0.01490	0.02473	0.407	3.705	1.781	6	2324
2331	2331	1.72495	1.58731	0.08217	0.01505	0.02493	0.408	3.692	2.130	6	2325
2332	2332	1.72572	1.58832	0.08236	0.01511	0.02500	0.409	3.686	2.303	6	2326
2333	2333	1.73001	1.59401	0.08341	0.01542	0.02543	0.410	3.655	4.209	6	2327
2334	2334	1.74716	1.61749	0.08780	0.01661	0.02713	0.407	3.519	-1.834	1	2328
2335	2335	1.75076	1.62259	0.08877	0.01683	0.02749	0.405	3.488	-1.404	1	2329
2336	2336	1.75726	1.63191	0.09054	0.01722	0.02812	0.399	3.431	-0.981	1	2330
2337	2337	1.76089	1.63719	0.09154	0.01742	0.02848	0.395	3.398	-0.837	1	2331
2338	2338	1.76831	1.64819	0.09363	0.01779	0.02919	0.385	3.329	-0.638	1	2332
2339	2339	1.77441	1.65740	0.09538	0.01805	0.02976	0.375	3.271	-0.529	1	2333
2340	2340	1.77968	1.66552	0.09691	0.01824	0.03025	0.365	3.221	-0.458	1	2334
2341	2341	1.79228	1.68543	0.10062	0.01855	0.03136	0.338	3.097	-0.337	1	2335
2342	2342	1.80687	1.70943	0.10497	0.02861	0.03255	0.299	2.954	-0.246	1	2336
2343	2343	1.83615	1.76062	0.11351	0.01756	0.03454	0.211	2.681	-0.133	1	2337
2344	2344	1.83615	1.76062	0.11351	0.01756	0.03454	0.211	2.681	-0.133	1	2338
2345	2345	1.84337	1.81164	0.12065	0.01496	0.03585	0.128	2.463	-0.069	1	2339
2346	2346	1.86508	1.81496	0.12105	0.01475	0.03592	0.123	2.451	-0.066	1	2340
2347	2347	1.87168	1.82782	0.12256	0.01385	0.03615	0.104	2.407	-0.055	1	2341
2348	2348	1.88069	1.84564	0.12447	0.01248	0.03643	0.081	2.351	-0.041	1	2342
2349	2349	1.88294	1.85011	0.12491	0.01212	0.03649	0.075	2.339	-0.038	1	2343
2350	2350	1.89373	1.87185	0.12684	0.01023	0.03673	0.051	2.283	-0.025	1	2344
2351	2351	1.89929	1.88317	0.12770	0.00918	0.03684	0.040	2.259	-0.020	2	2345
2352	2352	1.91302	1.91142	0.12942	0.00639	0.03703	0.019	2.211	-0.009	2	2346
2353	2353	1.92751	1.94158	0.13054	0.00323	0.03715	0.005	2.180	-0.002	2	2347

TABLE A-3 (Continued)

2354	2354	1.94205	1.97201	0.13091	-0.00006	0.03719	0.000	2.170	-0.000	2	2348
2355	2355	1.95366	1.99631	0.13065	-0.00269	0.03716	0.003	2.177	-0.002	2	2349
2356	2356	1.95366	1.99631	0.13065	-0.00269	0.03716	0.003	2.177	-0.002	2	2350

TYPE 1-7 : Pearson's Types

8 : Normal Distribution

9 : Undefined Due to Negative Even Moment(s)

10 : Undefined Due to Negative P.D.F.

TABLE A-4

Chi-Square Statistics Obtained for Each Pair of the Forty-Three Items.

Item 24	********	0.02309	0.18162	0.70985	0.01323	0.01246	0.01794	0.15688	0.04920	0.16785
	0.01971	0.13859	0.01066	0.02627	0.03445	0.09895	0.02763	0.02447	0.01853	0.03045
	0.88370	0.02561	0.05016	0.03250	0.04378	0.02991	0.73564	0.02281	0.03418	0.20828
	0.03535	0.03341	0.01863	0.04813	0.13741	0.01430	0.01466	0.11926	0.00918	0.02737
	0.02255	0.03192	0.02357							
Item 25	0.02309	********	0.00210	0.00330	0.00160	0.00135	0.00124	0.00168	0.00111	0.00744
	0.00174	0.00519	0.00282	0.00693	0.00244	0.01016	0.00305	0.00309	0.00383	0.00212
	0.04498	0.00162	0.00287	C.00330	0.00212	0.00451	0.00979	0.00206	0.00277	0.00720
	0.00284	0.00238	0.00486	0.00782	0.00642	0.00536	0.00260	0.00573	0.00206	0.00261
	0.00265	0.00839	0.00320							
Item 26	0.18162	0.00210	********	0.00298	0.00337	0.00221	0.00174	0.00198	0.00204	0.00456
	0.00487	0.00241	0.00354	0.01068	0.00290	0.01329	0.00372	0.00613	0.01548	0.00346
	0.22610	0.00263	0.00437	0.00305	0.00200	0.00919	0.00406	0.00370	0.00268	0.00784
	0.00422	0.00296	0.00680	0.01093	0.00838	0.00741	0.00315	0.00573	0.00260	0.00487
	0.00443	0.00549	0.00676							
Item 27	0.70985	0.00330	0.00298	********	0.00336	0.00255	0.00200	0.00208	0.00229	0.00530
	0.00360	0.00249	0.00197	0.01014	0.00385	0.01246	0.00634	0.00322	0.00726	0.00307
	0.13053	0.00199	0.00359	0.01192	0.00216	0.00537	0.02838	0.00350	0.00271	0.00842
	0.00720	0.00408	0.00791	0.01051	0.00524	0.00887	0.00391	0.00725	0.00256	0.00310
	0.00380	0.00403	0.00447							
Item 28	0.01323	0.00160	0.00337	0.00336	********	0.00190	0.00176	0.00197	0.00142	0.00477
	0.00277	0.00363	0.00322	0.00937	0.00481	0.00772	0.00383	0.00554	0.00529	0.00344
	0.13433	0.00192	0.00300	0.00825	0.00263	0.00708	0.02015	0.00298	0.00354	0.01072
	0.00345	0.00257	0.00487	0.00877	0.00812	0.00317	0.00350	0.00892	0.00174	0.00250
	0.00443	0.00587	0.00444							
Item 29	0.01246	0.00135	0.00221	0.00255	0.00190	********	0.00142	0.00185	0.00101	0.00757
	0.00183	0.00295	0.00134	0.00785	0.00184	0.00703	0.00408	0.00266	0.00431	0.00180
	0.29440	0.00172	0.00301	0.00336	0.00219	0.00682	0.00931	0.00210	0.00464	0.00595
	0.00425	0.00400	0.00509	0.00740	0.00836	0.00367	0.00275	0.00593	0.00152	0.00244
	0.00259	0.00388	0.00313							
Item 30	0.01794	0.00124	0.00174	0.00200	0.00178	0.00142	********	0.00107	0.00124	0.00600
	0.00222	0.00348	0.00228	0.00588	0.00205	0.00635	0.00257	0.00452	0.00411	0.00217
	0.07956	0.00126	0.00221	0.00188	0.00162	0.00336	0.00399	0.00215	0.00227	0.00363
	0.00305	0.00177	0.00363	0.00485	0.00401	0.00254	0.00174	0.00350	0.00124	0.00193
	0.00144	0.00298	0.00281							

TABLE A-4 (Continued)

Item 31	0.15688	0.00168	0.00198	0.00208	0.00197	0.00185	0.00107	********	0.00158	0.00444
	0.00284	0.00274	0.00229	0.00508	0.00197	0.00816	0.00134	0.00429	0.00247	0.00253
	0.02398	0.00128	0.00223	0.00316	0.00112	0.00488	0.00503	0.00177	0.00183	0.00338
	0.00203	0.00193	0.00225	0.00402	0.00455	0.00334	0.00207	0.00340	0.00168	0.00262
	0.00146	0.00264	0.00289							
Item 32	0.04920	0.00111	0.00204	0.00229	0.00142	0.00101	0.00124	0.00158	********	0.00283
	0.00182	0.00186	0.00158	0.00683	0.00207	0.00570	0.00326	0.00205	0.00438	0.00140
	0.71.74	0.00113	0.00252	0.00399	0.00211	0.00435	0.00800	0.00154	0.00315	0.00637
	0.00347	0.00225	0.00437	0.00833	0.01014	0.00397	0.00214	0.00605	0.00110	0.00225
	0.00170	0.00390	0.00274							
Item 33	0.16785	0.00744	0.00456	0.00530	0.00477	0.00757	0.00600	0.00444	0.00283	********
	0.00351	0.01883	0.00399	0.02229	0.00855	0.01784	0.01362	0.00659	0.01113	0.00592
	0.03705	0.00457	0.01270	0.01017	0.00826	0.00851	0.04569	0.01325	0.00729	0.08213
	0.01071	0.00547	0.01965	0.03208	0.22662	0.01281	0.00890	0.03225	0.00336	0.01270
	0.00747	0.01429	0.00695							
Item 34	0.01971	0.00174	0.00487	0.00360	0.00277	0.00183	0.00222	0.00284	0.00182	0.00351
	********	0.00762	0.00213	0.01328	0.00638	0.01364	0.00668	0.00355	0.00973	0.00307
	0.05161	0.00257	0.00503	0.00692	0.00387	0.00707	0.01022	0.00305	0.00486	0.01346
	0.00508	0.00373	0.01061	0.01220	0.01215	0.00955	0.00404	0.00658	0.00280	0.00536
	0.00277	0.00583	0.00640							
Item 35	0.13859	0.00519	0.00641	0.00649	0.00363	0.00295	0.00348	0.00274	0.00186	0.01823
	0.00762	********	0.00388	0.02011	0.01067	0.01691	0.00328	0.00305	0.01440	0.00389
	0.03860	0.00298	0.00468	0.00493	0.00317	0.01000	0.00848	0.00301	0.01198	0.01754
	0.00874	0.00538	0.01063	0.01007	0.01045	0.00637	0.00600	0.01034	0.00298	0.00564
	0.00357	0.01279	0.00571							
Item 36	0.01066	0.00282	0.00354	0.00197	0.00322	0.00134	0.00228	0.00229	0.00158	0.00399
	0.00213	0.00388	********	0.00871	0.00524	0.00680	0.00553	0.00281	0.00663	0.00228
	0.20463	0.00191	0.00497	0.00379	0.00274	0.00565	0.01297	0.00279	0.00394	0.00537
	0.00833	0.00402	0.00654	0.01574	0.00772	0.00642	0.00407	0.00946	0.00198	0.00488
	0.00333	0.00408	0.00460							
Item 37	0.02627	0.00493	0.01068	0.01014	0.00937	0.00785	0.00588	0.00508	0.00683	0.02229
	0.01328	0.02617	0.00871	********	0.00559	0.01694	0.00578	0.01587	0.00993	0.00517
	0.01558	0.00547	0.00815	0.03381	0.00706	0.01242	0.03170	0.00827	0.00812	0.02121
	0.00971	0.01096	0.00818	0.02375	0.04441	0.01509	0.00712	0.00545	0.00764	0.00801
	0.00741	0.01338	0.01403							
Item 38	0.03445	0.00244	0.00290	0.00385	0.00481	0.00184	0.00205	0.00197	0.00207	0.00855
	0.00638	0.01067	0.00524	0.00559	********	0.01266	0.00242	0.00482	0.00461	0.00240
	0.02249	0.00207	0.00250	0.00465	0.00245	0.00486	0.00600	0.00215	0.00296	0.00497
	0.00405	0.00361	0.00426	0.01004	0.01023	0.00725	0.00265	0.00481	0.00189	0.00291
	0.00184	0.00331	0.00336							
Item 39	0.09895	0.01016	0.01329	0.01246	0.00772	0.00703	0.00635	0.00818	0.00570	0.01784
	0.01369	0.01691	0.00680	0.01694	0.01266	********	0.00602	0.00980	0.01636	0.00856
	0.30588	0.00769	0.00902	0.01474	0.00637	0.01905	0.03762	0.01927	0.00770	0.01775
	0.00946	0.00752	0.00728	0.00992	0.00795	0.02684	0.00932	0.01109	0.00609	0.01167
	0.00705	0.01174	0.01345							

TABLE A-4 (Continued)

Item 40	0.02763	0.00305	0.00372	0.00634	0.00383	0.00408	0.00257	0.00134	0.00328	0.01362
	0.00668	0.00328	0.00553	0.00578	0.00242	0.00602	********	0.00651	0.00442	0.00402
	0.01853	0.00245	0.00352	0.00352	0.00166	0.01014	0.00978	0.00344	0.00317	0.00464
	0.00254	0.00236	0.00224	0.00443	0.00417	0.00434	0.00247	0.00405	0.00321	0.00446
	0.00217	0.00260	0.00349							
Item 41	0.02447	0.00309	0.00613	0.00322	0.00554	0.00266	0.00452	0.00429	0.00205	0.00659
	0.00355	0.00305	0.00281	0.01587	0.00482	0.00980	0.00651	********	0.01082	0.00319
	0.06475	0.00355	0.00481	0.00686	0.00366	0.00430	0.01125	0.00388	0.00700	0.00894
	0.00866	0.00412	0.00850	0.09368	0.00761	0.00941	0.00455	0.00970	0.00181	0.00425
	0.00278	0.00667	0.00743							
Item 42	0.01853	0.00383	0.01548	0.00726	0.00529	0.00431	0.00411	0.00247	0.00438	0.01113
	0.00973	0.01440	0.00663	0.00993	0.00461	0.01636	0.00442	0.01082	********	0.00598
	0.02390	0.00428	0.00743	0.01441	0.00374	0.03428	0.03158	0.00658	0.00483	0.03535
	0.00777	0.00763	0.00898	0.01487	0.01727	0.00770	0.00378	0.00733	0.00414	0.00741
	0.00338	0.00600	0.00908							
Item 43	0.03045	0.00212	0.00346	0.00307	0.00344	0.00180	0.00217	0.00253	0.00140	0.00592
	0.00307	0.00389	0.00228	0.00917	0.00240	0.00856	0.00402	0.00319	0.00598	********
	0.06416	0.00175	0.00262	0.00454	0.00244	0.00494	0.00651	0.00223	0.00406	0.00691
	0.00646	0.00279	0.00622	0.01603	0.01702	0.00490	0.00273	0.00792	0.00152	0.00343
	0.00238	0.00789	0.00448							
Item 44	0.88370	0.04498	0.22610	0.13053	0.13433	0.29440	0.07956	0.02398	0.71174	0.03709
	0.05161	0.03660	0.20463	0.01999	0.02249	0.30588	0.01853	0.06472	0.02390	0.06410
	********	0.50696	0.01871	0.10999	0.02130	0.23743	0.04560	0.02542	0.03617	0.09640
	0.02215	0.02188	0.03187	0.01408	0.02610	0.07153	0.15061	0.05051	0.14038	0.04156
	0.09809	0.01736	0.02086							
Item 45	0.02561	0.00162	0.00263	0.00199	0.00192	0.00172	0.00126	0.00128	0.00113	0.00457
	0.00257	0.00298	0.00191	0.00547	0.00207	0.00769	0.00245	0.00355	0.00428	0.00175
	0.50696	********	0.00188	0.00399	0.00127	0.00344	0.00424	0.00212	0.00216	0.00510
	0.00361	0.00164	0.00290	0.00594	0.00571	0.00290	0.00228	0.00288	0.00129	0.00267
	0.00201	0.00288	0.00313							
Item 46	0.05016	0.00287	0.00437	0.00359	0.00300	0.00301	0.00221	0.00223	0.00252	0.01290
	0.00503	0.00468	0.00497	0.00815	0.00250	0.00902	0.00352	0.00481	0.00743	0.00262
	0.01871	0.00188	********	0.00372	0.00205	0.00523	0.00688	0.00431	0.00390	0.00772
	0.00389	0.00259	0.00450	0.00589	0.00541	0.00618	0.00386	0.00579	0.00196	0.00348
	0.00256	0.00515	0.00385							
Item 47	0.03250	0.00330	0.00305	0.01192	0.00825	0.00336	0.00188	0.00316	0.00399	0.01017
	0.00692	0.00493	0.00379	0.03381	0.00465	0.01575	0.00352	0.00686	0.01557	0.00453
	0.10999	0.00399	0.00372	********	0.00334	0.00549	0.00754	0.00642	0.00589	0.01320
	0.00448	0.00439	0.00792	0.01572	0.00618	0.00864	0.00474	0.00773	0.00369	0.00751
	0.00377	0.00677	0.00612							
Item 48	0.04378	0.00212	0.00200	0.00216	0.00263	0.00219	0.00162	0.00112	0.00211	0.00826
	0.00387	0.00317	0.00274	0.00706	0.00245	0.00637	0.00166	0.00366	0.00374	0.00244
	0.02130	0.00127	0.00205	0.00334	********	0.00573	0.00549	0.00219	0.00210	0.00480
	0.00213	0.00206	0.00289	0.00371	0.00454	0.00635	0.00235	0.00241	0.00181	0.00325
	0.00184	0.00221	0.00217							

TABLE A-4 (Continued)

Item 49	0.02991	0.00451	0.00919	0.00537	0.00708	0.00681	0.00336	0.00488	0.00435	0.00851
	0.00707	0.01000	0.00565	0.01242	0.00486	0.01905	0.01015	0.00430	0.03426	0.00494
	0.23743	0.00344	0.00523	0.00549	0.00573	********	0.02035	0.00362	0.01018	0.01192
	0.01279	0.00606	0.00965	0.02590	0.00930	0.00643	0.00647	0.00984	0.00331	0.00483
	0.00537	0.01760	0.00645							
Item 50	0.73564	0.00979	0.00406	0.02836	0.02015	0.00931	0.00399	0.00503	0.00800	[illegible]
	0.01022	0.00848	0.01297	0.03170	0.00600	0.03762	0.00978	0.01125	[illegible]	0.00651
	0.04560	0.00424	0.00688	0.00754	0.00549	0.02035	********	0.00892	0.00705	0.01353
	0.01736	0.01367	0.01810	0.01736	0.03207	0.01346	0.00491	0.00612	0.00593	0.01361
	0.00466	0.00832	0.01193							
Item 51	0.02281	0.00206	0.00370	0.00350	0.00298	0.00210	0.00215	0.00177	0.00154	0.01325
	0.00305	0.00301	0.00279	0.00827	0.00215	0.01927	0.00344	0.00388	0.00658	0.00223
	0.02542	0.00212	0.00431	0.00642	0.00219	0.00362	0.00892	********	0.00341	0.01332
	0.00586	0.00254	0.00478	0.00701	0.00781	0.00440	0.00394	0.00432	0.00269	0.00345
	0.00313	0.00406	0.00279							
Item 52	0.03418	0.00277	0.00268	0.00271	0.00354	0.00464	0.00227	0.00183	0.00315	0.00729
	0.00486	0.01198	0.00394	0.00812	0.00296	0.00770	0.00317	0.00700	0.00483	0.00406
	0.03617	0.00216	0.00390	0.00589	0.00210	0.01018	0.00705	0.00341	********	0.00538
	0.00267	0.00449	0.00446	0.01185	0.00672	0.00474	0.00237	0.00606	0.00219	0.00273
	0.00213	0.00329	0.00467							
Item 53	0.20828	0.00720	0.00784	0.00842	0.01672	0.00595	0.00363	0.00330	0.00637	0.08213
	0.01356	0.01755	0.00537	0.02121	0.00497	0.01775	0.00464	0.00894	0.03535	0.00691
	0.09646	0.00510	0.00772	0.01420	0.00480	0.01198	0.01353	0.01332	0.00538	********
	0.00538	0.00414	0.00629	0.02228	0.01105	0.00848	0.00516	0.00762	0.00555	0.01000
	0.00771	0.00541	0.00921							
Item 54	0.03535	0.00284	0.00422	0.00720	0.00345	0.00425	0.00305	0.00203	0.00347	0.01071
	0.00508	0.00874	0.00833	0.00971	0.00405	0.00946	0.00254	0.00866	0.00777	0.00646
	0.02215	0.00361	0.00389	0.00448	0.00213	0.01279	0.01736	0.00586	0.00267	0.00538
	********	0.00376	0.00448	0.00405	0.00381	0.00585	0.00515	0.00346	0.00314	0.00401
	0.00252	0.00284	0.00228							
Item 55	0.03341	0.00238	0.00296	0.00408	0.00257	0.00400	0.00177	0.00193	0.00225	0.00547
	0.00373	0.00338	0.00402	0.01096	0.00361	0.00752	0.00236	0.00412	0.00763	0.00279
	0.02188	0.00164	0.00259	0.00439	0.00206	0.00606	0.01567	0.00254	0.00449	0.00414
	0.00376	********	0.00341	0.01566	0.00666	0.00423	0.00298	0.00608	0.00159	0.00270
	0.00294	0.00325	0.00432							
Item 56	0.01863	0.00486	0.00680	0.00791	0.00487	0.00509	0.00363	0.00225	0.00437	0.01965
	0.01061	0.01163	0.00654	0.00818	0.00426	0.00728	0.00224	0.00850	0.00898	0.00622
	0.03187	0.00290	0.00450	0.00792	0.00289	0.00965	0.01810	0.00478	0.00446	0.00629
	0.00448	0.00341	********	0.00669	0.00522	0.00949	0.00350	0.00359	0.00289	0.00457
	0.00256	0.00413	0.00481							
Item 57	0.04813	0.00782	0.01093	0.01051	0.00877	0.00740	0.00485	0.00402	0.00833	0.03208
	0.01220	0.01007	0.01575	0.02375	0.01604	0.00992	0.00443	0.09368	0.01487	0.01603
	0.01408	0.00594	0.00589	0.01572	0.00371	0.02590	0.01736	0.00701	0.01185	0.02226
	0.00405	0.01266	0.00669	********	0.00757	0.01106	0.01008	0.00489	0.00865	0.00675
	0.00488	0.00876	0.00677							

TABLE A-4 (Continued)

Item 58	0.13741	0.00442	0.00838	0.00524	0.00812	0.00836	0.00401	0.00455	0.01015	0.22662
	0.01215	0.01043	0.00772	0.04451	0.01023	0.00795	0.00417	0.00761	0.01727	0.01702
	0.02610	0.00571	0.00541	0.00618	0.00454	0.00930	0.03207	0.00781	0.00672	0.01105
	0.00381	0.00666	0.00522	0.00757	********	0.01560	0.00696	0.00972	0.00524	0.00478
	0.00627	0.00331	0.00551							
Item 59	0.01430	0.00536	0.00741	0.00887	0.00317	0.00367	0.00254	0.00334	0.00397	0.01281
	0.00955	0.00637	0.00642	0.01509	0.00725	0.02685	0.00434	0.00941	0.00770	0.00490
	0.07153	0.00290	0.00618	0.00864	0.00635	0.00643	0.01346	0.00440	0.00474	0.00848
	0.00585	0.00423	0.00949	0.01106	0.01560	********	0.00249	0.00519	0.00218	0.00491
	0.00278	0.00515	0.00468							
Item 60	0.01466	0.00260	0.00315	0.003 1	0.00350	0.00275	0.00174	0.00207	0.00214	0.00890
	0.00404	0.00600	0.00407	0.00712	0.00265	0.00932	0.00247	0.00455	0.00378	0.00273
	0.15061	0.00228	0.00386	0.00474	0.00235	0.00647	0.00491	0.00394	0.00237	0.00516
	0.00515	0.00298	0.00350	0.01008	0.00696	0.00249	********	0.00395	0.00182	0.00244
	0.00161	0.00257	0.00310							
Item 61	0.11926	0.00573	0.00573	0.00725	0.00892	0.00593	0.00350	0.00340	0.00605	0.03225
	0.00658	0.01034	0.00946	0.00545	0.00481	0.01109	0.00405	0.00970	0.00733	0.00792
	0.05051	0.00288	0.00579	0.00773	0.00241	0.00984	0.00612	0.00432	0.00606	0.00762
	0.00346	0.00608	0.00359	0.00489	0.00972	0.00519	0.00395	********	0.00358	0.00449
	0.00331	0.00481	0.00314							
Item 62	0.00918	0.00206	0.00260	0.00256	0.00174	0.00152	0.00124	0.00168	0.00110	0.00336
	0.00280	0.00298	0.00198	0.00764	0.00189	0.00609	0.00321	0.00181	0.00414	0.00152
	0.14038	0.00129	0.00196	0.00369	0.00181	0.00331	0.00593	0.00269	0.00219	0.00555
	0.00314	0.00159	0.00289	0.00665	0.00524	0.00218	0.00182	0.00358	********	0.00147
	0.00127	0.00224	0.00204							
Item 63	0.02732	0.00261	0.00487	0.00310	0.00250	0.00244	0.00193	0.00262	0.00225	0.01270
	0.00536	0.00564	0.00488	0.00801	0.00291	0.01167	0.00446	0.00425	0.00741	0.00343
	0.04156	0.00267	0.00348	0.00751	0.00325	0.00483	0.01361	0.00345	0.00273	0.01000
	0.00401	0.00270	0.00497	0.00675	0.00478	0.00491	0.00244	0.00449	0.00147	********
	0.00173	0.00351	0.00199							
Item 64	0.02255	0.00265	0.00443	0.00380	0.00443	0.00259	0.00144	0.00146	0.00170	0.00747
	0.00277	0.00357	0.00333	0.00741	0.00184	0.00705	0.00217	0.00278	0.00338	0.00238
	0.09809	0.00201	0.00256	0.00377	0.00184	0.00537	0.00466	0.00313	0.00213	0.00771
	0.00252	0.00294	0.00256	0.00488	0.00627	0.00278	0.00161	0.00331	0.00127	0.00173
	********	0.00235	0.00159							
Item 65	0.03192	0.00639	0.00549	0.00403	0.00587	0.00388	0.00298	0.00264	0.00390	0.01429
	0.00583	0.01279	0.00408	0.01338	0.00331	0.01174	0.00260	0.00667	0.00600	0.00789
	0.01736	0.00288	0.00515	0.00677	0.00221	0.01760	0.00832	0.00406	0.00329	0.00541
	0.00284	0.00325	0.00413	0.00876	0.00331	0.00519	0.00257	0.00481	0.00224	0.00351
	0.00235	********	0.00233							
Item 66	0.02357	0.00320	0.00676	0.00447	0.00444	0.00313	0.00281	0.00289	0.00274	0.00695
	0.00640	0.00571	0.00460	0.01403	0.00336	0.01345	0.00349	0.00743	0.00908	0.00448
	0.02186	0.00313	0.00385	0.00612	0.00217	0.00645	0.01193	0.00279	0.00467	0.00521
	0.00228	0.00432	0.00481	0.00677	0.00551	0.00468	0.00310	0.00314	0.00204	0.00199
	0.00159	0.00233	********							

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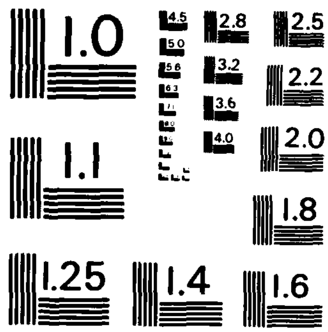

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